

00 A150 643 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
WHITING FIELD FLORIDA(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

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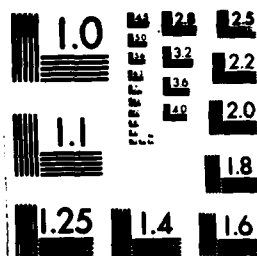
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# SMOS

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION: #93841 Whiting Field, FL

PERIOD: HOURLY 1/73-12/82  
DAILY 2/45-12/82

JOB NO. 72006

DATE August 1984

PREPARED BY  
NAVAL OCEANOGRAPHY  
COMMAND DETACHMENT,  
FEDERAL BUILDING  
ASHEVILLE, N.C. 28801

PREPARED FOR  
COMMANDER,  
NAVAL OCEANOGRAPHY  
COMMAND  
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCDD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO OR SUMMARY 93841		STATION NAME Whiting Field (Milton), Florida		LATITUDE 30°43'N		LONGITUDE 87°01'W		STATION ELEV (FT) 200		CALL SIGN KNSE		WMO NUMBER	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE WSL		OBS PER DAY				
			FROM	TO			FEET	TYPE BAROMETER					
1.	North west corner hangar 1424	Navy		1950	30°46'N	87°01'W	208	Mercurial	Var				
2.	Room 34, building 1424	"	1950	1953	30°43'N	"	196	"	"				
3.	First deck hangar 1424	"	1953		"	"	175	"	"				
4.	First deck hangar 1424	"	1960		"	"	177	"	"				
1a.	Weather service office	"	1959	1975	"	"	179	Aneroid	"				
2a.	Second deck of hangar 1424	"	1975		"	"	222	"	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed 1950	North field hangar roof	Selsyn	Triple	277 MSL	1. Barograph (ML-3-D) 2. Auto met sta (AN/GMQ-29) 3. Ceiling light (ML-121) 4. Cloud height set (AN/GMQ-13) 5. Transmissometer (AN/GMQ-10)
2.	1957	South field hangar roof	UMQ-5	RD-108	"	
3.	1958	Selsyn replaced with aerovane	"	"	"	
4.	1959	North of weather office	UMQ-5D	"	13'	

NWSD. Federal Building

NOCD, Federal Building  
Asheville, N. C.

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snw - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

# WEATHER CONDITIONS

MINOR CLIMATIC CHANGES

STATION 45-7 YEARS NORTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC CONDITIONS FROM DAILY OBSERVATION

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	12.7	1.6	49.4	.4	2.1	.2	45.6	74.0	51.0	.1	.1	51.0	100
FEB		1.7	49.4		.5	.2	44.6	71.0	71.0		.1	71.0	71
MAR		14.4	45.4	.1	.1	.2	42.0	51.4	71.4		1.1	71.4	144
APR		11.7	34.7			.1	71.7	41.7	.7		1.1	73.7	117
MAY		12.0	71.1			.1	74.1	51.1	52.0			74.1	120
JUN		7.5	13.5			.1	49.5	51.5	72.0		.1	67.5	111
JUL		6.9	72.5			.1	44.1	73.5	47.0			64.9	109
AUG		45.1	63.5			.4	51.2	51.5	53.4			61.1	111
SEP		1.7	47.5				43.7	71.3	49.7		.1	65.7	101
OCT		1.2	26.1				73.7	41.7	44.1		.1	61.7	101
NOV		.5	79.5			.1	74.4	52.4	71.7		.1	63.8	101
DEC		1.7	47.5		.7		47.5	57.5	42.7			67.7	101
TOTALS		1.8	47.2	.1	.3	.3	42.9	55.2	48.1	.1	.4	61.5	1000

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## STATION

WILLIAM F. FORD

STATION NAME

YEARS

**MONTH**

[illegible]

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## STATION

STATION NAME

**YEARS**

**MONTH**

[illegible]

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4

# WEATHER CONDITIONS

STATION

WINDY FIELD, FL

STATION NAME

1950-51

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	72	1.6	3.2				3.2	31.1	32.7			56.7	10
FEB	73	1.6	6.5				1.6	31.3	28.1			66.1	11
MAR		.3	3.5				3.5	60.3	43.5			77.4	11
APR		2.5	6.2				6.5	5.5	42.9			46.5	12
MAY	12	2.7	4.3				4.3	1.7	31.5			73.5	11
JUN	1	3.2	7.1				7.1	2.9	27.1		.3	29.7	11
JUL	1	3.5	2.9				1.5	4.2	27.4		.2	71.5	11
AUG	21	2.3	3.5				3.5	1.5	41.3			46.7	12
SEP													
OCT													
NOV													
DEC													
TOTALS		2.5	4.1				1.1	21.4	36.5		.1	45.3	247

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# WEATHER CONDITIONS

STATION

WATKINS FIELD, OK

STATION NAME

1955

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	2	1.7	1.7				1.7	21.7	23.7			47.7	200
	11	1.3	2.0				1.3	41.3	39.7			47.7	100
		1.7	1.7				1.7	54.7	23.7			41.7	100
		.3	2.3				1.7	1.3	45.7		.3	47.7	100
	10	5.7	5.7				1.7	.7	32.7			13.3	100
	17	.7	12.7				12.7	1.7	28.7			70.7	100
	1	.7	5.7				6.7	2.7	18.7			7.7	100
	1	.3	3.7				3.7	18.3	32.7			34.7	100
TOTALS		3.7	4.5				4.5	17.6	36.6		.3	46.6	24.2

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# WEATHER CONDITIONS

STATION

WHITING FIELD, FL

STATION NAME

1950

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	20	1.3					1.3	23.8	49.5			64.1	240
2	27	1.3	3.2				1.2	32.6	49.			74.6	1
3		2.3	2.				2.	64.7	53.7			95.5	71
4		1.5	5.5				.5	.2	2.2			15.7	317
5	12	.7	12.9				11.	3.5	42.6			47.7	77
6	17	17.1	10.1			.3	11.1	2.4	44.5			45.4	71
7	1	11.2	1.7				1.7	1.4	47.1			51.7	71
8	21	3.2	5.5				1.5	17.1	45.			64.5	17
TOTALS		5.2	7.2			.3	7.5	23.4	42.7			51.5	2475

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# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	1	1.3	2.2				1.2	3.2	41.3			1.1	71
	2	1.0	1.0				1.0	5.1	40.1			3.6	71
	3	1.3	4.2				4.0	7.4	53.5			27.1	71
	4	1.3	4.0				4.0	7.1	53.0			23.4	71
	5	1.4	6.0				6.0	2.3	7.7			47.6	71
	6	11.3	11.0				11.0	2.9	35.0			30.1	71
	7	11.3	2.0				11.0	6.0	3.3			41.0	71
	8	1.3	5.3				1.3	22.0	47.7			30.4	71
TOTALS		4.0	6.0				4.1	2.4	43.7			15.4	243

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# WEATHER CONDITIONS

STATION NAME STATION YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
		1.3	3.3				1.3	7.3	37.7			14.7	1.7
		1.3	4.3				4.7	47.7	47.3			67.7	7.7
		1.3	7.7				7.7	47.3	43.7			77.7	11.7
		1.3	5.3				5.7	10.7	47.7			43.7	11.7
	17	7.3	4.3				8.7	7.3	7.3			73.3	11.7
	1	1.3	11.3				11.7	7.7	9.7			77.7	11.7
	1	4.3	5.3				7.7	7.3	12.7			77.7	11.7
	1	1.3	5.3				1.7	1.3	34.7			45.7	11.7
TOTALS		1.3	5.3				1.7	2.2	37.7			12.9	25.7

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## STATION

100-442621

STATION NAME

**YEARS**

**MONT**

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	10.0	0.0	2.0				2.0	21.0	10.0			3.0	33
FEB	10.0	0.3	2.0				0.3	9.0	22.0			41.0	33
MAR	10.0	1.0	4.0				1.0	47.1	3.0			5.0	33
APR	10.0		4.0				4.0	30.0	21.0			41.0	33
MAY	10.0	0.0	0.1				0.1	0.0	10.0			0.3	33
JUN	10.0	0.0	0.0				0.0	1.0	14.0			0.1	33
JUL	10.0		0.0				0.0	0.0	10.0			0.0	33
AUG	10.0	0.0	0.0				0.0	10.0	0.0			0.0	33
SEPT	10.0												
OCT	10.0												
NOV	10.0												
DEC	10.0												
TOTALS		0.0	6.0				7.0	10.4	21.4			42.0	243

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4

# WEATHER CONDITIONS

STATION

CHOTING FIELD, IL

STATION NAME

12-42

YEARS

11  
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	0	1.7	5.7				5.7	31.7	14.3			41.7	3.7
	1	.7	4.7				4.7	31.3	14.7			43.7	7.7
	2	.3	7.7				7.7	44.7	16.3			51.7	3.7
	3	1.2	6.7				6.7	37.7	25.7			44.7	3.7
	4	.7	6.7				6.7	16.3	23.7			36.7	7.7
	5	.3	7.7				7.7	7.7	17.7			22.7	3.7
	6		6.7				6.7	11.7	16.7			25.7	7.7
	7	.7	6.7				6.7	20.7	15.7			33.7	7.7
TOTALS		.9	6.7				6.7	23.7	17.7			36.4	24.7

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# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	24	1.3	1.7				1.3	2.0	1.0			17.0	247
FEB	24	1.3	1.7				1.3	2.0	1.0			17.0	247
MAR	24	1.3	1.7				1.3	2.0	1.0			17.0	247
APR	24	1.3	1.7				1.3	2.0	1.0			17.0	247
MAY	24	1.3	1.7				1.3	2.0	1.0			17.0	247
JUN	24	1.3	1.7				1.3	2.0	1.0			17.0	247
JUL	24	1.3	1.7				1.3	2.0	1.0			17.0	247
AUG	24	1.3	1.7				1.3	2.0	1.0			17.0	247
SEP	24	1.3	1.7				1.3	2.0	1.0			17.0	247
OCT	24	1.3	1.7				1.3	2.0	1.0			17.0	247
NOV	24	1.3	1.7				1.3	2.0	1.0			17.0	247
DEC	24	1.3	1.7				1.3	2.0	1.0			17.0	247
TOTALS		1.3	1.7				1.3	2.0	1.0			17.0	247

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION

HITING FIELD, FL

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

JANUARY

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG ICE AND FOG	SM. FOG SM. FOG	EL. FOG EL. FOG	BL. FOG BL. FOG	NO WEATHER
N	1.2	1.1	3.3		.3				12.6	1.6	13.2			69.0
NNE	10.7	1.8	3.0			1.8		.6	16.7	3.6	16.1			64.9
NE	11.4	4.5	5.7					1.0	22.9	2.9	1.5			56.2
ENE	15.1		2.7		1.4				35.6	2.7	12.3			49.5
E	11.1	3.2	3.2					.9	21.0	3.2	11.9			55.6
ESE	10.2	3.7	8.3					1.9	26.7	6.5	23.1			41.7
SE	5.6	.9	4.3						33.6	9.5	25.9			37.1
SSE	1.9	1.9	1.8					1.0	32.4	2.9	26.7			40.0
S	7.5	4.6	1.7					.5	30.5	4.0	23.0			41.4
SSW	3.7	4.9	2.5					2.5	30.9	1.2	23.5			43.2
SW	6.6	3.3							27.4	6.6	18.0			45.9
WSW	7.3	5.5						1.6	21.4	5.5	23.6			43.6
W	5.7	2.9	2.9					1.4	14.3	5.7	24.3			71.4
WNW	3.6	2.5				1.7			7.5	1.3	1.8			77.0
NW	1.1	2.0	.7			.7		.7	11.8	1.3	15.0			73.6
NNW	1.1	.9	3.1			1.3		.4	10.7	2.2	16.1			68.8
VARIABLE														
CALM	2.4	1.1	1.0					.7	21.5	4.3	15.4			56.6
TOTAL	145	53	66		2	11		16	529	103	424			1471
% TOTAL	9.4	2.1	2.7		.1	.3		.6	31.4	4.2	17.1			51.7

TOTAL NUMBER OF OBSERVATIONS

2,476

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION NAME: HILLC FIELD, F. DATE: JANUARY 1973-2 DECEMBER 1982 MONTH: FEBRUARY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SAT. FE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	IN WEATHER
N	0.0	0.7	0.7			0.4		0.4	11.0	2.0	37.2			43.1
NNE	0.1	0.0	0.6		1.3				11.2	1.3	25.3			43.0
NE	1.3		3.7		2.5	1.2			23.5	2.5	22.2			50.6
ENE	1.0		3.8					2.5	24.1	1.3	27.8			49.4
E	1.4		1.8		0.0				24.1	2.7	18.8			45.5
ESE	1.1	2.2	4.4					1.1	35.4	2.2	18.7			47.3
SE	13.7	3.2	4.2					3.2	40.0	6.3	17.9			36.1
SSE	2.7	6.8	4.1					1.4	27.0	5.4	20.3			52.7
S	0.1	4.0	0.6					2.4	20.9	6.2	20.9			52.5
SSW	0.3	5.7	1.6					3.3	23.4	2.5	23.8			47.5
SW	0.0	4.2						1.4	23.6	4.2	22.5			53.5
WSW	1.2	3.7						2.5	16.0	7.4	29.6			44.1
W	2.0	3.5						3.5	15.7	1.7	25.2			53.0
WNW		2.1						2.1	8.4	2.1	18.1			72.3
NW	1.7	1.7						1.7	11.3	4.3	18.3			71.1
NNW	0.0	1.0	1.0						8.6	3.0	22.7			66.7
VARIABLE														
CALM	1.4	1.6	1.3					0.5	11.3	6.7	23.7			54.4
TOTAL	171	45	31		5	2		29	423	92	527			1224
% TOTAL	5.4	2.0	1.4		0.7	0.1		1.3	18.8	4.1	23.4			54.5

TOTAL NUMBER OF OBSERVATIONS 2,254

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION

HTT2.0 FIELD, FL

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MARCH

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING RAIN AND SLUSH	% OBSERVATIONS
N	3.3	3.3	.8					1.7	8.7	3.3	11.6			76.8
NNE	4.0	1.6	1.6						5.9	1.6	13.7			73.4
NE	7.0	4.5						3.0	14.9	6.0	13.4			62.7
ENE	14.1	9.4						6.3	15.6	9.4	9.4			59.4
E	13.4	6.3	3.6					3.6	27.7	10.7	10.7			50.9
ESE	7.0	8.8	4.4					4.4	16.8	7.0	19.3			46.4
SE	5.0	4.3	2.5					2.5	30.4	8.1	24.2			42.5
SSE	2.0	7.4	2.6					3.2	24.7	4.2	33.7			41.6
S	3.7	4.4	1.4					1.0	21.1	4.4	28.5			47.6
SSW	4.5	4.5						1.3	15.5	8.4	27.1			52.3
SW	7.8	5.8	1.9					2.9	26.2	4.9	24.3			43.7
WSW		7.4						2.9	20.6	7.4	32.4		1.5	39.7
W	1.2	2.4						1.2	17.3	6.1	24.4			53.7
WNW		7.7						5.1	4.0	1.3	15.4			71.8
NW	7.4	4.5	1.1					1.1	.1	2.3	15.9			69.3
NNW	5.0	1.3				.1		.6	.6	4.5	21.8			68.0
VARIABLE														
CALM	1.1	1.6	.9					.4	14.2	10.4	16.1			44.7
TOTAL	101	110	33			1		56	515	148	523		1	1342
% TOTAL	4.2	4.4	1.3			.0		2.3	7.8	6.0	21.0		.0	54.1

TOTAL NUMBER OF OBSERVATIONS

2,440

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION

WHITING FIELD, FL

STATION NAME

JANUARY 1973-DECEMBER 1992

YEAR

APRIL

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING RAIN AND SLEET	% OBSERVATIONS
N	0.1	2.1	1.2					1.7	9.5	2.5	1.7			7.4
NNE	4.1	2.9						1.0	1.2	1.9	4.3			7.4
NE	4.9	3.2	1.6					4.6	7.2	4.3	5.5			77.8
ENE	5.7	10.0	1.7						10.7	1.7	8.3			16.7
E	5.5	6.4	1.8					4.6	22.1	3.7	23.6			45.5
ESE	17.1	5.1	1.9					5.1	7.2	3.7	26.3			46.5
SE	3.1	2.2						1.5	21.2	2.2	43.3			41.5
SSE	2.4	3.6	1.2					1.5	15.4	1.5	38.5		1.2	40.7
S	0.7	2.5	.3					.5	14.3	1.3	32.2			59.4
SSW	1.7	3.1						1.2	4.6	2.5	35.0			53.7
SW		5.8						2.5	12.5	1.3	26.3			42.0
WSW		5.4							14.5	1.5	25.0			57.1
W	1.7	3.7	.9					1.9	17.1	3.7	18.7			43.6
WNW	1.7	1.4						1.4	7.6	1.4	11.0			12.2
NW	1.7	2.6						1.0	3.0	2.0	13.7		1.4	76.5
NNW		4.9	2.4					1.5	11.9	1.5	11.9		2.6	74.5
VARIABLE														
CALM		1.3	.5					1.5	24.5	4.3	14.7			33.3
TOTAL	5.1	75	16					40	393	79	531		6	1454
% TOTAL	.03	3.1	.7					1.7	16.4	3.3	22.1		.3	65.5

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION: MEYING FIELD, FL STATION NAME: MEYING FIELD, FL YEARS: JANUARY 1973-DECEMBER 1982 MONTH: MAY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N		2.3	.6					3.3	15.3	1.7	28.7			58.6
NNE	1.7	.9	.9					1.7	15.4	4.3	30.8			55.6
NE	4.0	1.3	1.3					1.3	14.7	2.7	26.7			58.7
ENE	1.3	2.8						1.4	24.2	5.6	31.9			54.4
E	2.5	6.5	.9					4.7	26.2	1.4	30.8			50.6
ESE	2.5	5.1						6.3	16.5	5.1	34.2			48.1
SE	1.5	6.6	.8					4.9	23.0	.1	36.9			41.0
SSE	2.1	4.9						4.2	9.9	2.0	36.6			52.4
S	3.1	2.6	.3					2.0	9.9	1.7	30.0			58.7
SSW	2.4	3.3						1.9	8.1	2.4	33.3			58.6
SW	.4	2.5	.8					1.7	7.6	2.5	47.1			47.1
WSW		5.7							13.0	3.4	38.2			50.6
W		5.5	1.8					4.4	18.3		35.8			45.0
WNW		5.7						3.3	3.3	5.0	28.3			55.0
NW	1.3	3.8						3.8	8.8	1.3	34.8		1.3	47.5
NNW		.9						.9	6.8	.9	33.3			64.1
VARIABLE														
CALM	4.4	1.3						1.4	31.1	10.4	44.2			32.1
TOTAL	7	92	9					62	425	106	885		1	1221
% TOTAL	1.1	3.3	.4					2.5	17.1	4.3	35.9		.0	49.8

TOTAL NUMBER OF OBSERVATIONS: 2,450

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION

HITTING FIELD, FL

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

JUNE

MONTH

DATE

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	0.0	4.0						3.2	4.8	6.4	35.9			51.0
NNE	1.1	4.4						5.5	9.9	4.4	42.9			42.9
NE									7.5	10.4	32.8			53.7
ENE	1.2	4.7						4.7	9.2	4.7	29.4			60.0
E		5.5						5.5	13.0	10.0	35.9			39.1
ESE	1.0	4.8						4.8	27.4	3.2	33.9			41.9
SE	1.0	4.6						5.3	14.3	3.2	22.2			58.7
SSE		3.5						5.6	11.3	1.4	25.4			63.4
S	1.0	3.7						4.6	1.8	.9	22.1			71.4
SSW	0.0	1.6						2.1	5.9	1.1	36.7			57.4
SW	3.0	.9						.9	10.9	1.5	38.2			50.0
WSW	1.0	5.6						6.5	9.7	3.2	44.4			44.4
W	1.0	4.3						6.5	13.0	3.7	40.1			44.4
WNW	1.0	6.3						9.4	9.4	1.6	40.6			45.3
NW	1.0	2.9						7.2	10.1	5.4	42.0			45.4
NNW	0.0	3.2						4.8	8.1	3.2	41.1			54.8
VARIABLE														
CALM	1.0	1.6						1.0	21.9	12.0	37.8			46.5
TOTAL	2.0	51						84	284	138	858			1198
% TOTAL	1.1	3.4						3.7	11.8	5.6	35.8			50.0

TOTAL NUMBER OF OBSERVATIONS

2,398

NAVWEASERVCOM

4431-64321

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION HITT'S FIELD, FL STATION NAME JANUARY 1973-DECEMBER 1982 YEARS JULY MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	0	2.5						5.1	14.0	8.3	57.3			34.4
NNE	1.0	5.1						9.0	20.5	6.4	50.0			32.1
NE		5.8						7.9	26.1	8.7	52.2			33.3
ENE	4.0	3.2						6.3	27.0	3.2	55.6			28.6
E	4.3	11.1						10.3	19.8	4.0	34.9			43.7
ESE	7.5	4.5						8.1	22.4	2.7	31.1			33.5
SE	5.7	12.9						7.1	20.0	2.7	37.1			41.4
SSE	7.6	9.6	1.4					11.0	11.0	1.4	38.4			35.6
S	4.0	7.1					.5	10.2	9.2	2.0	45.9			37.3
SSW	1.0	4.4						4.4	6.9		37.5			53.8
SW	2.0	7.4						9.0	9.0	1.6	42.6			45.1
WSW	1.0	6.2						6.9	6.9	7.7	56.9			32.3
W	7.2	6.2	.6					7.9	16.3	7.3	55.1			30.3
WNW	3.0	3.5						6.7	11.4	4.3	45.7			40.0
NW		1.0						2.0	5.8	4.6	54.9			36.3
NNW	.0	4.5						6.1	6.1	6.8	53.8			39.4
VARIABLE														
CALM		1.7	.2					2.2	24.4	14.1	50.0			25.5
TOTAL	47	172	3				1	145	406	175	1192			890
% TOTAL	2.4	4.5	.1				.0	5.8	16.4	7.1	49.1			35.9

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

4431-54321

4

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION WHITING FIELD, FL

JANUARY 1973-DECEMBER 1992

AUGUST

STATION

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	0	1.6						3.7	19.6	9.1	54.7			79.4
NNE	3.7	3.7						5.5	18.3	14.5	43.1			73.0
NE	1.6	3.0						0.2	25.6	5.3	45.9			37.0
ENE	2.3	3.8	.8					5.4	22.3	5.4	37.7			40.4
E	4.0	6.5	1.0					8.0	24.5	6.5	35.7			41.5
ESE	2.2	2.2						5.6	13.5	9.0	38.2			52.3
SE	4.2	2.7						4.2	6.9	1.4	30.6			52.0
SSE	2.6	15.4						16.7	6.4	1.3	42.3			35.4
S	1.2	7.0						10.9	2.7	1.8	31.6			57.9
SSW	2.7	4.8						4.5	4.8	1.0	28.6			60.0
SW		5.1						5.1	10.3	2.6	37.2			53.4
WSW	4.2	4.5						3.5	15.5	1.4	40.8			42.3
W	2.7	2.9						3.7	12.6	2.9	39.8			47.6
WNW	1.6	1.8						1.5	8.9	1.6	46.4			46.2
NW	1.6							5.9	2.9	4.4	57.4			36.8
NNW	0	4.2						5.8	15.0	10.0	50.0			38.3
VARIABLE														
CALM	1.4	1.4	1.1					1.4	27.2	14.9	45.9			32.5
TOTAL	71	96	4					122	451	204	1051			1001
% TOTAL	2.1	3.9	.2					4.9	18.2	8.2	42.4			40.4

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION HITTING FIELD, FL STATION NAME JANUARY 1973-DECEMBER 1982 MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING ICE SNOW	% TOTAL
N	4.2	.3						.7	14.9	6.5	41.9			45.3
NNE	2.5	1.9	.6					1.3	16.4	6.3	43.4			47.8
NE	5.5	2.4						1.8	11.0	6.1	37.2			47.6
ENE	.2	1.9	.5					.9	14.6	4.7	33.2			49.3
E	3.4	5.1	.4					3.4	14.1	2.1	27.7			49.4
ESE	2.2	9.0	1.1					9.0	15.7	2.2	32.6			46.1
SE	5.7	1.4						1.4	21.4		28.6			51.4
SSE	1.7	7.7						1.9	13.5	1.9	30.8			53.5
S	1.7	9.6						6.1	6.1	2.6	20.9			65.6
SSW	2.4	4.9						3.7	4.9	3.7	34.1			47.3
SW		7.4						2.7	5.6	3.7	31.5			51.7
WSW	3.4	1.9						1.9	11.5	2.6	42.3			48.7
W	3.4	3.6						4.4	14.5	7.2	48.2			52.6
WNW	4.3	4.3	2.2					2.2	17.4	4.3	28.3			45.7
NW	2.6	3.2						3.0	17.4	9.0	46.3			52.3
NNW	.7	2.2						.7	6.8	8.0	42.3			46.2
VARIABLE														
CALM	1.4	4.4						.6	31.4	9.3	40.4			52.4
TOTAL	77	70	5					55	416	140	887			1107
% TOTAL	3.3	2.7	.2					2.3	17.3	5.5	37.0			46.2

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION

HITTING FIELD, FL

STATION NAME

JANUARY 1973-DICEMBER 1982

YEARS

OCTOBER

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING FANT AND ICE	NO WEATHER
N	2.3	.5	.2					.5	13.3	5.	22.4			65.7
NNE	7.2								7.7	2.3	15.4			75.3
NE	2.7								11.6	2.3	18.5			71.1
ENE	7.1	1.5	.7						11.2	2.2	17.9			73.1
E	7.3	.5						.5	16.7	6.7	23.0			59.3
ESE	6.7	.9						1.5	18.0	8.1	27.9			50.5
SE	6.1								17.0		19.5			67.5
SSE	1.1	3.2							7.9		14.3			76.7
S	7.6	1.1							5.6	1.1	15.7			74.2
SSW	1.7	1.7						1.7	3.4	3.4	24.1			62.1
SW	5.7	3.1							17.6		25.0			59.4
WSW	7.7	2.7						2.7	16.2		29.7			56.5
W	1.1	1.6						1.6	15.6	3.1	29.7			60.9
WNW	7.1							2.1	7.9	2.6	23.7			71.1
NW	1.7	4.3						1.3	10.7	4.0	20.0			66.5
NNW	1.7	.5	.6					.4	5.4	4.2	17.6			73.7
VARIABLE														
CALM														
TOTAL	75	19	4					17	324	107	516			1641
% TOTAL	7.5	1.9	.4					.5	13.1	4.3	20.8			66.2

TOTAL NUMBER OF OBSERVATIONS 2,490

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION HATTING FIELD, FL JANUARY 1973-DECEMBER 1982 MONTH NOVEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	3.0	1.1	1.9						13.9	2.4	14.2			70.5
NNE	4.0	1.2						1.2	3.1	3.1	12.9			74.8
NE	7.0		1.7						21.7	3.4	24.1			53.4
ENE	5.0	1.0	1.0					1.0	12.6	2.9	24.3			53.1
E	6.0	1.1	1.1						27.7	4.2	14.4			56.9
ESE	6.1	.8							24.4	4.6	17.6			56.5
SE	6.0	2.0						.9	24.8	5.1	23.1			51.3
SSE	4.0	3.2						1.1	12.9	6.3	18.9			57.0
S	6.4	2.7	.7					.7	20.1	3.4	27.5			53.0
SSW	3.0	3.5						1.5	8.8		8.8			77.0
SW	2.0	5.9						2.9	23.5		8.8			64.7
WSW		7.1						3.6	34.3	3.0	21.4			50.0
W	6.3	7.0						2.3	37.2	4.7	16.3			44.7
WNW	6.0	5.5						3.0	12.7	3.6	18.2			60.0
NW	2.0	1.2						2.4	5.9	1.2	14.1			76.5
NNW	6.6	.9	.5					.5	14.8	2.3	14.8			68.5
VARIABLE														
CALM	4.4								27.5	7.8	13.2			53.7
TOTAL	112	35	16					15	470	99	418			1472
% TOTAL	4.0	1.5	.7					.6	16.6	4.1	17.4			61.3

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION: HITING FIELD, FL STATION NAME: JANUARY 1973-DECEMBER 1982 DECEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.4	.6	.9						1.2	1.1	9.4			78.1
NNE	1.2	.7							1.4	2.4	21.8			67.6
NE	1.0		3.2						17.2		17.2			67.4
ENE	.8		1.6						18.6		14.8			56.3
E	.7		1.9						15.0	.6	16.3			66.3
ESE	1.1	1.3	.6						25.3	1.3	18.9			54.7
SE	7.6	5.7						2.1	32.6	4.3	24.1			41.0
SSE	1.7	2.5						1.3	12.5	3.9	24.7			54.5
S	7.9	2.6						1.7	24.5	4.0	7.3			58.9
SSW	4.5	4.5						1.5	26.9	11.9	17.9			46.3
SW	5.7	3.7	1.9						15.9	3.0	24.5			49.1
WSW	7.0	2.7							17.0	4.0	14.0			70.0
W	5.0	1.2						1.2	10.5	5.8	18.6			66.3
WNW	1.4	3.2	1.1					2.2	12.4	3.2	11.3			69.9
NW	4.7	.9	.8						11.7	2.3	3.0			76.6
NNW	2.4	1.6	.4						7.7	1.0	11.3			78.6
VARIABLE														
CALM									13.6	1.1	11.6			75.4
TOTAL	17.2	75	17					10	417	66	352			1647
% TOTAL	5.6	1.4	.7					.4	16.8	2.7	14.2			66.5

TOTAL NUMBER OF OBSERVATIONS 2,474

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION HILTING FIELD, FL STATION NAME JANUARY 1973-DECEMBER 1992 YEAR ALL MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING RAIN AND SNOW	WEATHER
N	2.7	1.5	.9		.7	.3		1.3	12.7	3.9	24.6			61.9
NNE	4.5	1.7	.6		.1	.2		1.6	13.7	4.2	24.9			67.7
NE	5.7	1.9	1.3		.2	.1		1.1	16.7	4.3	26.5			55.1
ENE	5.7	2.8	1.0		.1			2.2	17.5	3.8	26.8			53.7
E	7.4	4.1	1.2		.1			3.3	22.6	4.6	23.6			51.1
ESE	7.1	4.1	1.7					3.5	24.4	4.6	25.5			47.5
SE	5.7	4.3	1.1					2.6	25.1	4.6	28.1			45.5
SSE	2.7	5.9	1.3					3.6	17.4	2.9	30.7		.2	49.7
S	3.7	4.2	.5				.0	3.4	14.1	2.5	27.2			54.7
SSW	2.7	3.8	.3					2.5	11.4	2.9	30.0			55.7
SW	7.1	4.6	.4					3.3	14.7	2.8	32.0			50.6
WSW	1.7	5.5						3.7	14.9	4.9	37.0		.1	45.7
W	2.7	3.9	.5					4.5	15.5	4.3	34.2			47.8
WNW	2.7	3.8	.2			.1		3.4	9.6	2.7	24.2		.1	62.1
NW	1.7	2.1	.3			.1		2.1	7.6	3.3	25.6		.4	61.6
NNW	2.7	1.7	.8			.7		1.4	7.7	3.7	25.1			64.1
VARIABLE														
CALM	1.7	1.7	.3					7	15.3	14.7	31.1			45.7
TOTAL	170.7	223	274		7	11	1	651	2153	1457	6161			6156.6
% TOTAL	2.4	2.9	.7		.7	.7	.5	2.2	17.3	5.0	27.9		.0	17.4

TOTAL NUMBER OF OBSERVATIONS

2 6277

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NOCD. Federal Building  
Asheville, N. C.

## **PART B                      PRECIPITATION, SNOWFALL & SNOW DEPTH**

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

### **PRECIPITATION**

DERIVED FROM DAILY OBSERVATIONS

### **SNOWFALL\***

DERIVED FROM DAILY OBSERVATIONS

### **SNOW DEPTH**

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

40705  
44

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

STATION FILE NO. FL

44-57

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.03	.04-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	5.0	12.0	2.1	5.6	3.3	6.5	4.7	6.5	3.4	.6	.1			32.0	1023	4.79	13.55	.00	
FEB	5.0	12.0	2.3	4.6	3.7	6.3	5.7	5.7	4.2	.7				32.2	1073	4.48	9.57	.47	
MAR	5.0	12.0	2.4	5.1	2.9	4.6	4.5	6.7	3.9	1.0	.3			32.5	1023	5.91	17.89	.57	
APR	5.0	12.0	1.6	2.9	2.1	3.2	3.4	5.1	3.3	1.2				23.3	1050	4.46	12.65	.97	
MAY	5.0	12.0	1.1	4.0	1.5	4.4	5.6	4.6	4.1	.3	.1			26.0	1116	4.34	11.17	.00	
JUN	5.0	12.0	1.4	5.6	3.4	8.1	6.9	6.8	5.7	.9	.2	.1		34.6	1050	6.61	13.87	1.67	
JUL	5.0	12.0	3.1	7.1	6.4	8.8	8.8	9.7	6.9	.4	.2			51.2	992	7.69	17.85	2.30	
AUG	5.0	14.0	3.7	7.4	3.9	8.4	8.1	8.1	4.2	.7				43.0	1116	6.34	14.65	.81	
SEP	5.0	12.0	1.4	5.6	2.6	5.9	5.5	5.9	4.7	.9	.5			33.0	1110	6.32	12.15	1.20	
OCT	5.0	12.0	1.4	4.0	1.6	1.7	3.0	3.0	2.8	.2				17.8	1054	2.84	5.74	7.80	
NOV	5.0	12.0	1.0	4.2	2.2	3.8	4.4	4.1	3.0	.5				24.7	1110	3.49	11.54	.00	
DEC	5.0	12.0	3.0	4.0	4.4	5.6	4.4	6.8	4.0	.4				32.0	1116	4.70	13.09	1.00	
ANNUAL	5.0	12.0	2.1	5.1	3.2	5.6	5.4	6.0	4.1	.6	.1	.0		32.4	12063	1.67			

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## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

HIVIE FIELD, FL

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.7	1.7	.7			.1								.4	1012	.1	3.	.
FEB	.1	.7		.1	.1									.2	908	.1	2.	.
MAR	.5	.				.1								.1	1074	.1	2.	.
APR	.7														1000	.5	.	.
MAY	.7														1000	.7	.	.
JUN	.7														1000	.7	.	.
JUL	.7														20	.7	.	.
AUG	.7														1114	.7	.	.
SEP	.7														1114	.7	.	.
OCT	.7														1074	.7	.	.
NOV	.7														900	.7	.	.
DEC	.7	.													1004	.7	2.00	.
ANNUAL	.7	.7	.7	.7	.7	.7								.1	12035	.7		

NAVWEASERVCOM

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN																			
FEB																			
MAR																			
APR																			
MAY																			
JUN																			
JUL																			
AUG																			
SEP																			
OCT																			
NOV																			
DEC																			
ANNUAL																			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION 4 STATION NAME ASHEVILLE FIELD, FL YEARS 40-1977

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4		1.13	.7	3.25	1.33	.52	1.90	2.52	1.54	.59	.54	1.14	
5	.32	2.34	2.73	1.2	1.61						1.12	1.54	
6	1.33	2.35	5.26	1.23		1.52	3.16	4.2	1.22	1.54	2.59	1.35	
7	.97	.47						1.13	1.4		1.20	1.11	
8		.76	2.57	3.4	.76				.76		.55	1.72	
9	1.04	.32	1.62	2.72	.97	.7	2.07	2.45	2.09	.59	1.4	2.22	
10	1.07	1.44	3.92	1.35	1.57	3.29	1.86	.62	3.37	.24	1.35	1.24	
11	.67	1.32	1.63	1.20	1.69	1.15	1.24	4.2	2.07		.93	.9	
12	.14	2.33	2.32	3.14	1.01	1.40		1.52	3.41	.53	2.23	2.22	
13	.57	1.23			.53	.53	2.00	.42	.59	.13	.62	.8	
14	1.37	1.2	.42	1.11	1.94	.59	1.93	1.8	.57	1.31	.16	.47	1.23
15	2.75	1.37	1.44	.72	.93	1.66	.75	.52	3.31	.66	.32		
16		1.36		1.1	1.52	1.52	1.14	.72	1.75	1.02			
17		.3		1.71	1.37	4.13	1.26	1.75	1.74	.39	1.74	.47	
18	1.54	1.57	1.55	2.62	1.99	2.4	1.24	1.4	5.47	1.96	.37	1.4	5.47
19	3.42	1.56	3.77	2.97	3.12	1.45	1.62	2.82	3.24	4.3	1.24	.15	4.3
20	.74	3.59	1.97	1.10	.57	6.53	1.90	2.22	1.6	.72	1.31	3.71	6.53
21	1.31	1.27	3.33	2.22	.03	1.79	1.40	1.55	1.32	.52	1.17	1.2	3.33
22	2.47	1.41	.43	.32	1.14	2.21	1.77	1.67	2.77	.77	1.76	1.1	2.47
23	.59	1.34	1.37	3.22	.93	1.76	1.40	2.32	.57	1.35	1.22	3.57	2.32
24		1.32	.74	.46	1.24	2.21	.72	2.62	2.26	1.95	.71	1.37	
25	1.21	1.99	1.22	1.19	2.12	1.55	.88	2.42	1.31	1.54	2.72	1.37	2.72
26	.95	2.41	2.85	1.4	1.57	1.44	.55	1.27	3.54	4.52	.65	3.11	4.52
27	.32	.22	.74	.22	.74	1.59	.96	1.14	.96	.32	.77	.66	1.22
28	.57	1.44	2.52	.92	2.53	3.46	3.73	2.45	1.65	1.58	.52	1.4	3.73
29	.72	1.42	1.73	.67	2.37	10.75		.4	1.2	2.42	.25	1.25	
30	1.77	1.44	1.55	1.49	.75	2.66	1.99	1.79	2.17	1.47	3.17	2.17	2.17
31	.91	1.23	1.73	1.29	1.71	3.30	2.22	2.42	.54	2.15	1.47	3.67	3.67
32	1.74	1.46		1.55	1.12	1.47	2.24	1.73	1.75	.53	.57	2.17	
33	1.23	3.2	1.46	1.22	1.33	1.1	.92	2.17	2.37	.75	.72	.57	2.17
MEAN													
S.D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

STATION	STATION NAME
	WIMBIE FIELD, FL

41-21

**YEARS**

24 HOUR AMOUNTS IN INCHES:

[illegible]

## SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION HATTING FIELD, FL  
STATION NAME

45-22

YEARS

24 HOUR AMOUNTS IN INCHES  
BASED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1						3.05 11				0.20 27			0.00 DAYS
2					1.09 28								0.00 DAYS
3			1.00 16				1.10 20						0.00 DAYS
4	2.00 10					3.07 23		1.00 27					0.00 DAYS
5										0.00 26			0.00 DAYS
6							1.11 7						0.00 DAYS
7			.50 24	1.20 25									0.00 DAYS
8												1.20 19	0.00 DAYS
9	.10 25		1.00 29								1.00 17	.50 16	0.00 DAYS
10	1.20 20		1.20 20										0.00 DAYS
11	1.21 30												0.00 DAYS
12							.70 17						0.00 DAYS
13			1.40 20										0.00 DAYS
14							.90 17						0.00 DAYS
MEAN													
S D													
TOTAL OBS.													

SMOS



1987 2344-1071

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

ON FILE  
(FROM DAILY OBSERVATIONS)

STATION WHITING FIELD, FL STATION NAME 45-47 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46													
45	.	.	.	.	.	.	.	.	.	.	.	.	
47		.	.	.		.	.	.	.	.	.	.	
48	.								.			.	
49		.	.	.	.	.	.	.	.	.		.	
50	.	.	.	.	.	.	.	.	.	.	.	.	.
51	.	.	.	.	.	.	.	.	.	.	.	.	.
52	.	.	.	.	.	.	.	.	.	.	.	.	.
53	.	.	.	.	.	.	.	.	.	.	.	.	.
54	.	.	2.	.	.	.	.	.	.	.	.	.	2.
55	.	.	.	.	.	.	.	.	.	.	.	.	.
56	.	.	.	.	.	.	.	.	.	.	.	.	.
57	.	1.	.	.	.	.	.	.	.	.	.	.	.
58	.	.	.	.	.	.	.	.	.	.	.	.	.
59	.	.	.	.	.	.	.	.	.	.	.	.	.
60	.	.	.	.	.	.	.	.	.	.	.	.	.
61	.	.	.	.	.	.	.	.	.	.	.	.	.
62	.	.	.	.	.	.	.	.	.	.	.	.	.
63	.	.	.	.	.	.	.	.	.	.	.	.	.
64	.	.	.	.	.	.	.	.	.	.	.	.	.
65	.	.	.	.	.	.	.	.	.	.	.	.	.
66	.	.	.	.	.	.	.	.	.	.	.	.	.
67	.	.	.	.	.	.	.	.	.	.	.	.	.
68	.	.	.	.	.	.	.	.	.	.	.	.	.
69	.	.	.	.	.	.	.	.	.	.	.	.	.
70	.	.	.	.	.	.	.	.	.	.	.	.	.
71	.	.	.	.	.	.	.	.	.	.	.	.	.
72	.	.	.	.	.	.	.	.	.	.	.	.	.
73	.	2.	.	.	.	.	.	.	.	.	.	.	.
74	.	.	.	.	.	.	.	.	.	.	.	.	.
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

1941

HILTS FIELD, FL

45-27

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
91	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
93	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
97	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
98	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S. D.	.10	.373	.422	.000	.000	.000	.000	.000	.000	.000	.000	.000	.754
TOTAL OBS.	92	748	1048	1050	1085	1080	992	1116	111	1054	76	1054	12535

SMCS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

ON FALL  
(FROM DAILY OBSERVATIONS)

7441  
STATION

HATTIE FIELD, FL  
STATION NAME

45-87  
YEARS

24 HOUR AMOUNT IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41					•						•	•	SNOWFALL DAYS
42					29						29	29	SNOWFALL DAYS
43						•				•	•	•	SNOWFALL DAYS
44	•				•								SNOWFALL DAYS
45		•	•				•	•			•		SNOWFALL DAYS
46	•			•									SNOWFALL DAYS
47											•		SNOWFALL DAYS
48	•									•			SNOWFALL DAYS
49							•						SNOWFALL DAYS
50										•			SNOWFALL DAYS
51										•			SNOWFALL DAYS
52										•			SNOWFALL DAYS
53							•						SNOWFALL DAYS
54												•	SNOWFALL DAYS
55												19	SNOWFALL DAYS
56	•		•								•	•	SNOWFALL DAYS
57	25		29								19	16	SNOWFALL DAYS
58	•												SNOWFALL DAYS
59	23												SNOWFALL DAYS
60							•						SNOWFALL DAYS
61			•										SNOWFALL DAYS
62													SNOWFALL DAYS
63													SNOWFALL DAYS
64													SNOWFALL DAYS
65													SNOWFALL DAYS
66													SNOWFALL DAYS
67													SNOWFALL DAYS
68													SNOWFALL DAYS
69													SNOWFALL DAYS
70													SNOWFALL DAYS
71													SNOWFALL DAYS
72													SNOWFALL DAYS
73													SNOWFALL DAYS
74													SNOWFALL DAYS
75													SNOWFALL DAYS
76													SNOWFALL DAYS
77													SNOWFALL DAYS
78													SNOWFALL DAYS
79													SNOWFALL DAYS
80													SNOWFALL DAYS
81													SNOWFALL DAYS
82													SNOWFALL DAYS
83													SNOWFALL DAYS
84													SNOWFALL DAYS
85													SNOWFALL DAYS
86													SNOWFALL DAYS
87													SNOWFALL DAYS
88													SNOWFALL DAYS
89													SNOWFALL DAYS
90													SNOWFALL DAYS
91													SNOWFALL DAYS
92													SNOWFALL DAYS
93													SNOWFALL DAYS
94													SNOWFALL DAYS
95													SNOWFALL DAYS
96													SNOWFALL DAYS
97													SNOWFALL DAYS
98													SNOWFALL DAYS
99													SNOWFALL DAYS
00													SNOWFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION 44, 44TH ST, FL  
STATION NAME

44, 44-02  
YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
MEAN													
S D													
TOTAL OBS.													

SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION

MTTING FIELD, FL

STATION NAME

40, 48-50

YEARS

DAILY SNOW DEPTH IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4													SNO DPTH DAYS
41													SNO DPTH DAYS
42													SNO DPTH DAYS
43													SNO DPTH DAYS
44													SNO DPTH DAYS
45													SNO DPTH DAYS
46													SNO DPTH DAYS
47													SNO DPTH DAYS
48													SNO DPTH DAYS
49													SNO DPTH DAYS
50													SNO DPTH DAYS
51													SNO DPTH DAYS
52													SNO DPTH DAYS
53													SNO DPTH DAYS
54													SNO DPTH DAYS
55													SNO DPTH DAYS
56													SNO DPTH DAYS
57													SNO DPTH DAYS
58													SNO DPTH DAYS
59													SNO DPTH DAYS
60													SNO DPTH DAYS
61													SNO DPTH DAYS
62													SNO DPTH DAYS
63													SNO DPTH DAYS
64													SNO DPTH DAYS
65													SNO DPTH DAYS
66													SNO DPTH DAYS
67													SNO DPTH DAYS
68													SNO DPTH DAYS
69													SNO DPTH DAYS
70													SNO DPTH DAYS
71													SNO DPTH DAYS
72													SNO DPTH DAYS
73													SNO DPTH DAYS
74													SNO DPTH DAYS
75													SNO DPTH DAYS
76													SNO DPTH DAYS
77													SNO DPTH DAYS
78													SNO DPTH DAYS
79													SNO DPTH DAYS
80													SNO DPTH DAYS
81													SNO DPTH DAYS
82													SNO DPTH DAYS
83													SNO DPTH DAYS
84													SNO DPTH DAYS
85													SNO DPTH DAYS
86													SNO DPTH DAYS
87													SNO DPTH DAYS
88													SNO DPTH DAYS
89													SNO DPTH DAYS
90													SNO DPTH DAYS
91													SNO DPTH DAYS
92													SNO DPTH DAYS
93													SNO DPTH DAYS
94													SNO DPTH DAYS
95													SNO DPTH DAYS
96													SNO DPTH DAYS
97													SNO DPTH DAYS
98													SNO DPTH DAYS
99													SNO DPTH DAYS
00													SNO DPTH DAYS
MEAN													
S D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

STATION

WINTER FIELD, FL

43. 49-57

STATION NAME

**YEARS**

DAILY SNOW DEPTH IN INCHES  
(BASED ON LESS THAN FULL MONTHS)

[illegible]

## SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1941  
STATION

HATTIE FIELD, FL  
STATION NAME

1941-1960  
YEARS

JANUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.4	43	1973	T	T	1964
2	1.3	60	1947	0.1	3	1978
3	1.5	14	1974			
4	1.2	27	1971			
5	1.2	72	1966			
6	1.4	45	1964			
7	1.2	57	1976			
8	1.3	66	1964			
9	1.4	12	1968			
10	1.6	17	1975	T	T	1962
11	1.4	67	1963	T	T	1973
12	1.2	34	1982	T	T	197
13	1.3	16	1947	T	T	1982
14	1.4	36	1977	T	T	1982
15	1.5	17	1946			
16	1.3	33	1955			
17	1.4	26	1965	T	T	1957
18	1.1	33	1975	1.4	10	1977
19	1.2	33	1963	T	T	1977
20	1.1	54	1979			
21	1.4	44	1973	T	T	1979
22	1.2	70	195	T	T	1948
23	1.2	32	1956	T	T	1958
24	1.1	13	1978	T	T	196
25	1.3	13	1973			
26	1.4	63	1976			
27	1.2	27	195			
28	1.3	52	1947			
29	1.2	25	1974			
30	1.3	47	1969	0.2	5	1977
31	1.4	19	1973	2.9	74	1977
Monthly	1.1	173	1974	2.9	74	1977

FEBRUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.73	45	1970			
2	4.77	121	1967			
3	1.1	3	1963			
4	1.5	4	1960			
5	1.6	45	1955			
6	1.8	73	1965			
7	1.2	77	1973			
8	1.8	23	1956	T	T	1971
9	1.4	37	1973	0.	51	1973
10	3.1	89	1961			
11	1.1	36	1963			
12	1.9	51	1966	1.	25	1958
13	0.3	11	1978	T	T	196
14	2.33	59	1977	T	T	1969
15	1.5	40	1952			
16	1.2	46	1970			
17	1.5	22	1965			
18	3.53	91	1961			
19	2.3	60	1946	T	T	1959
20	2.	75	1947	T	T	1959
21	1.1	56	1976			
22	1.34	34	1961			
23	1.3	35	1970	T	T	1963
24	1.2	44	1979			
25	1.6	42	1957			
26	1.3	35	1971			
27	1.4	40	1968			
28	2.2	57	1947			
29	0.22	1	1960			
30						
31						
Monthly	4.77	121	1967	2.9	51	1973

DIRNAVOCEANMET-SMOS

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD



4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION

STATION NAME

1945-1982

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.2	5	1961			
2	0.2	4	1972			
3	0.8	11	1979			
4	0.0	36	1973			
5	0.2	41	1950			
6	0.1	150	1947	2.5	64	1954
7	0.2	159	1947			
8	0.2	46	1977			
9	0.2	22	1950			
10	0.2	16	1940			
11	0.2	47	1954			
12	0.13	27	1977			
13	0.1	14	1947			
14	0.1	23	1940			
15	0.2	78	1967			
16	0.22	31	1966			
17	0.2	73	1987			
18	0.2	100	1951			
19	0.1	54	1951			
20	0.2	35	1973			
21	0.2	25	1959			
22	0.2	35	1981			
23	0.01	51	1962			
24	0.77	20	1957			
25	0.20	13	1945			
26	0.3	60	1976			
27	0.23	60	1946			
28	0.3	61	1977			
29	0.25	101	1957			
30	0.5	102	1947			
31	0.3	35	1962			
Monthly	0.76	159	1947	2.5	64	1954

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.2	56	1959			
2	0.4	52	1987			
3	0.7	75	1967			
4	0.2	60	1957			
5	0.2	24	1957			
6	0.14	4	1957			
7	1.2	34	1951			
8	0.22	31	1974			
9	0.1	43	1959			
10	1.5	47	1959			
11	0.2	64	1949			
12	2.5	65	1987			
13	2.25	71	1964			
14	1.0	41	1967			
15	1.0	38	1947			
16	0.0	25	1951			
17	0.2	24	1957			
18	3.6	93	1975			
19	1.1	27	1966			
20	0.0	15	1959			
21	1.2	32	1954			
22	3.25	83	1945			
23	0.3	16	1947			
24	1.0	57	1979			
25	1.0	4	1957			
26	0.22	32	1964			
27	2.2	64	1964			
28	2.2	69	1962			
29	0.4	26	1949			
30	1.0	27	1975			
31						
Monthly	3.6	93	1975			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION  
STATION NAME

1945-1977  
YEARS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	25	1947			
2	1.2	41	1957			
3	1.0	25	1978			
4	1.0	25	1967			
5	1.0	25	1957			
6	1.2	31	1978			
7	1.0	25	1967			
8	1.0	25	1969			
9	1.0	25	1978			
10	1.0	25	1968			
11	1.0	25	1959			
12	1.0	25	1964			
13	1.0	25	1945			
14	1.0	25	1976			
15	1.0	25	1978			
16	1.0	25	1945			
17	1.0	25	1980			
18	1.0	25	1969			
19	1.0	25	1959			
20	1.0	25	1958			
21	1.0	25	1947			
22	1.0	25	1958			
23	1.0	25	1979			
24	1.0	25	1965			
25	1.0	25	1957			
26	1.0	25	1951			
27	1.0	25	1976			
28	1.0	25	1945			
29	1.0	25	1975			
30	1.0	25	1970			
31	1.0	25	1977			
Monthly	1.0	25	1978			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	3.0	76	1946			
2	1.0	25	1977			
3	1.0	25	1977			
4	1.0	25	1976			
5	1.0	25	1977			
6	1.0	25	1964			
7	1.0	25	1945			
8	1.0	25	1970			
9	1.0	25	1968			
10	1.0	25	1949			
11	1.0	25	1956			
12	1.0	25	1965			
13	1.0	25	1959			
14	1.0	25	1958			
15	1.0	25	1950			
16	1.0	25	1973			
17	1.0	25	1951			
18	1.0	25	1951			
19	1.0	25	1972			
20	1.0	25	1961			
21	1.0	25	1960			
22	1.0	25	1967			
23	1.0	25	1940			
24	1.0	25	1972			
25	1.0	25	1972			
26	1.0	25	1964			
27	1.0	25	1982			
28	1.0	25	1974			
29	1.0	25	1970			
30	1.0	25	1971			
31						
Monthly	10.0	253	1977			

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION 45-1182  
STATION NAME

YEARS

JULY  
MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.5	13	1977			
2	0.4	62	1977			
3	0.3	62	1961			
4	0.5	75	1972			
5	0.9	51	1971			
6	0.1	26	1969			
7	0.2	32	1967			
8	0.1	17	1947			
9	0.12	77	1948			
10	0.0	4	1961			
11	0.1	41	1975			
12	0.3	52	1975			
13	0.3	45	1979			
14	0.10	27	1971			
15	0.3	74	1948			
16	0.3	66	1967			
17	0.3	75	1969			
18	0.3	45	1948			
19	0.3	63	1978			
20	0.0	41	1992			
21	0.3	46	1948			
22	0.2	70	1968			
23	0.5	45	1979			
24	0.1	50	1977			
25	0.4	38	1948			
26	0.02	36	1967			
27	0.0	26	1969			
28	0.02	61	1982			
29	0.32	59	1950			
30	0.3	236	1978			
31	0.3	135	1978			
Monthly	0.3	236	1978			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.3	61	1944			
2	0.8	73	1961			
3	0.6	17	1968			
4	0.5	14	1966			
5	1.0	34	1982			
6	0.5	65	1962			
7	0.2	37	1961			
8	1.5	43	1971			
9	1.0	26	1964			
10	0.5	62	1968			
11	0.3	72	1961			
12	1.12	2	1974			
13	1.2	30	1969			
14	1.0	27	1969			
15	0.3	12	1962			
16	1.0	25	1947			
17	0.0	51	1972			
18	1.02	26	1947			
19	0.7	27	1947			
20	1.0	33	1977			
21	0.4	21	1961			
22	0.32	11	1947			
23	1.04	44	1947			
24	1.1	27	1958			
25	2.0	60	1978			
26	1.0	35	1976			
27	1.6	42	1963			
28	0.02	18	1963			
29	0.0	53	1965			
30	0.0	64	1967			
31	1.0	41	1965			
Monthly	0.32	11	1947			

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION 241  
STATION NAME WITTS FIELD, FL

1945-1967

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	25	1973			
2	0.5	13	1951			
3	0.5	13	1981			
4	0.5	13	1959			
5	0.5	13	1952			
6	1.0	25	1967			
7	0.5	13	1962			
8	0.5	13	1947			
9	0.5	13	1957			
10	0.5	13	1957			
11	0.5	13	1959			
12	0.5	13	1959			
13	0.5	13	1967			
14	0.5	13	1948			
15	0.5	13	1967			
16	0.5	13	1970			
17	0.5	13	1957			
18	0.5	13	1947			
19	0.5	13	1947			
20	0.5	13	1952			
21	0.5	13	1969			
22	0.5	13	1975			
23	0.5	13	1975			
24	0.5	13	1956			
25	0.5	13	1957			
26	0.5	13	1955			
27	0.5	13	1957			
28	0.5	13	1957			
29	0.5	13	1965			
30	0.5	13	1969			
31						
Monthly	0.5	13	1947			

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	25	1962			
2	0.5	13	1957			
3	0.5	13	1964			
4	0.5	13	1947			
5	0.5	13	1977			
6	0.5	13	1967			
7	0.5	13	1977			
8	0.5	13	1977			
9	0.5	13	1966			
10	0.5	13	1966			
11	0.5	13	1977			
12	0.5	13	1967			
13	0.5	13	1977			
14	0.5	13	1969			
15	0.5	13	1974			
16	0.5	13	1977			
17	0.5	13	1971			
18	0.5	13	1957			
19	0.5	13	1977			
20	0.5	13	1967			
21	0.5	13	1947			
22	0.5	13	1947			
23	0.5	13	1957			
24	0.5	13	1977			
25	0.5	13	1981			
26	0.5	13	1977			
27	0.5	13	1977			
28	0.5	13	1967			
29	0.5	13	1967			
30	0.5	13	1967			
31	0.5	13	1967			
Monthly	0.5	13	1967			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION HITTER FIELD, FL  
STATION NAME

1 40-1992

YEARS

NOVEMBER  
MONTH

DECEMBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.11	28	1970			
2	1.1	35	1961			
3	1.1	47	1962			
4	1.1	44	1962			
5	1.1	35	1977			
6	1.1	16	1961			
7	1.1	43	1947			
8	1.1	24	1962			
9	1.1	25	1981			
10	1.1	16	1972			
11	1.1	51	1947			
12	1.1	27	1975			
13	1.1	37	1972			
14	1.1	33	1961			
15	1.1	21	1947			
16	1.1	14	1949			
17	1.1	14	1974			
18	1.1	45	1947			
19	1.1	37	1949			
20	1.1	57	1953			
21	1.1	25	1962			
22	1.1	177	1948			
23	1.1	54	1981			
24	1.1	33	1964			
25	1.1	14	1972			
26	1.1	46	1975			
27	1.1	55	1978			
28	1.1	7	1971			
29	1.1	13	1965			
30	1.1	54	1977			
31						
Monthly	1.1	177	1948			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.1	33	1971			
2	1.12	54	1971			
3	1.1	52	1965			
4	1.1	46	1982			1.4
5	1.1	46	1972			1.69
6	1.12	56	1953			
7	1.1	43	1949			
8	1.1	78	1949			
9	1.1	35	1966			
10	1.11	75	1967			
11	1.1	40	1953			1.1
12	1.1	47	1961			
13	1.12	30	1953			
14	1.1	27	1949			
15	1.12	36	1949			
16	1.12	23	1970			
17	1.1	20	1954			
18	1.12	26	1965			
19	1.1	27	1965			
20	1.1	29	1973			
21	1.1	93	1972			
22	1.1	29	1957			1.76
23	1.1	16	1952			
24	1.1	45	1979			
25	1.1	91	1964			
26	1.1	25	1977			1.8
27	1.13	29	1967			
28	1.1	41	1961			
29	1.1	19	1977			
30	1.1	33	1957			
31	1.1	57	1981			1.8
Monthly	1.1	93	1972			1.9

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

WFO, Federal Building  
Asheville, N. C.

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND  
(FROM DAILY OBSERVATIONS)

STATION 45-37  
STATION NAME SHALINE FIELD, FL

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46		43W	52SE	60N	44E	43E	66SW	58	42SW	46S	54SW	47	
49	54S	50NW	50S	48S	48							55W	33
47		50NW	58W	55W	62SE	55	43N	42NE	50NE	48SW	56SW	57	
48	45SE	55					55W	44SE	50		30NE	44	
49	33		SE	42	40W								
50	33		NW	46									
1													
2													
3	57E	44NW	38E	47SE	30NE	44SE	23N	52N	54W	23W	32SW	37	55W 57
4	47SW	23N	33NE	48N	26N	33SE	34SE	32NW	41N	33W	28W	76	41E 48
5	38SW	40SW	40S	41SW	30NW	36S	32SE	32SW	22NW	28W	30		
6	35W	37SW	39W	44SW	34S	37SW	33SE	34N	53SW	22NW	40		
67			ESE	32E	50SW	28SW	37						
			N. 30N	30N	33NE	39SW	34NW	40SE	39N	28N	39NW	50	
	47N	44NE	41NE	37SE	47NE	40SW	38E	40E	38NW	38N	38N	37	41E 48
	51S	48N	47NE	42NE	50N	68N	66W	41SE	42N	32N	32NW	37	41E 48
	42SW	41SW	47N	57SW	44E	34SE	64NE	37SE	38N	29NW	39SW	37	41E 48
	42NW	39NW	42NE	42SW	30W	54N	57NW	36N	30N	38NW	46NW	30	41E 48
68	43NW	46SW	39NW	45W	51SE	52NW	54NW	49NE	39N	34			
69	44NW	44SW	52W	63SW	35SE	35SW	48W	40NW	33N	50W	46W	44	45W 47
70	44NW	38N	43N	36E	38NW	40N	30NE	38E	44NE	33NW	38S	37	55W 44
71	42SW	45W	32SE	56E	39E	41N	40SW	31E	32NW	34NW	37NW	37	55W 44
72	34SW	34S	37NW	35NW	35SW	47NW	43SE	25SE	29SE	42SW	32NW	35	55W 44
73	34NW	40SE	47S	31SW	36NE	42E	31S	28		22NW	40SE	50	
74							43SE	43NE	40SE	24			
75	23SW	48SE	36SW	43S	24NW	37		27SE	20E	31W	27SW	34	
76	34SW	47SE	42SW	27W	34W	42SE	46SE	34W	55SW	29SW	29SW	24	17 44
77	30SW	35SE	41SE	26W	29SE	46SE	35W	24SE	30SE	24SE	60SE	34	21 40
78	27	44SE	34E	34E	47	33	25SE	24	26	20			
79	17	25	27	27E	24W	24W	34W	24E	26E	29W	19W	23SE	30
MEAN													
S.D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

STATION	STATION NAME
744	WHITING FIELD, FL

45-10

YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

## SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION 45-47 WHITING FIELD, FL STATION NAME 45-47 YEARS

DAILY PEAK GUSTS IN KNOTS  
BASED ON LESS THAN 200 OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46						42 21				39 21	42 25		WINDY DAYS
47	35 27												WINDY DAYS
48			31										WINDY DAYS
49				55 24		5 42							WINDY DAYS
50													WINDY DAYS
51		35 1	39 2		2 1							55 1	WINDY DAYS
52	12 1	22 5	27 5	SE 34 4	SW 23 5		55 6	27 5	NE 19 5				WINDY DAYS
53													WINDY DAYS
54													WINDY DAYS
55	1 1	24 7											WINDY DAYS
56		55 10	2 16										WINDY DAYS
57													WINDY DAYS
58													WINDY DAYS
59													WINDY DAYS
60													WINDY DAYS
61													WINDY DAYS
62													WINDY DAYS
63													WINDY DAYS
64	3 9		5 22	4 14	5 3	5 15							WINDY DAYS
65													WINDY DAYS
66													WINDY DAYS
67													WINDY DAYS
68													WINDY DAYS
69													WINDY DAYS
70													WINDY DAYS
71													WINDY DAYS
72													WINDY DAYS
73													WINDY DAYS
74													WINDY DAYS
75													WINDY DAYS
76													WINDY DAYS
77													WINDY DAYS
78													WINDY DAYS
79													WINDY DAYS
80													WINDY DAYS
81													WINDY DAYS
82													WINDY DAYS
83													WINDY DAYS
84													WINDY DAYS
85													WINDY DAYS
86													WINDY DAYS
87													WINDY DAYS
88													WINDY DAYS
89													WINDY DAYS
90													WINDY DAYS
91													WINDY DAYS
92													WINDY DAYS
93													WINDY DAYS
94													WINDY DAYS
95													WINDY DAYS
96													WINDY DAYS
97													WINDY DAYS
98													WINDY DAYS
99													WINDY DAYS
100													WINDY DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

7-41	SHITING FIELD, FL
STATION	STATION NAME

45-                     YEARS

[illegible]

## SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07341 MIAMI FIELD, FL 73-42 YEARS JAN  
STATION NAME MONTH  
CLASS ALL WEATHER 22  
HOURS (L S Y)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	5.8	2.6	1.6								15.5	5.8
NNE	3.9	1.6	1.6									7.1	4.0
NE	1.2	1.6	.6									3.6	4.2
ENE	.6	1.6	.3									2.6	4.6
E	2.1	1.6										4.2	3.5
ESE	.6	1.6	.7	.3								2.9	5.8
SE	1.6	1.6	.6	1.6								5.2	5.8
SSE	1.2	1.6	1.6	.6								3.6	6.9
S	1.1	1.3	.7									2.9	4.1
SSW	1.7		.3									1.6	3.4
SW	1.3		.6		.3							1.9	7.2
WSW	1.3	.3	.3	.3								2.3	5.7
W	2.3	.6	.6									3.6	3.5
WNW	1.3	.6	1.2									2.6	5.5
NW	1.3	.3	1.9	1.2								4.5	7.1
NNW	2.9	2.9	1.9	1.6								9.4	6.0
VARS													
CALM												26.4	
	27.9	22.3	19.2	6.8	.3							100.2	3.9

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27891 WHITING FIELD, FL STATION NAME 73-82 YEARS JAN  
MONTH 73  
NOVEMBER (L S Y)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	6.5	2.3	1.9								14.9	6.0
NNE	2.6	2.3	1.6	1.3								7.8	6.0
NE	2.6	1.3	.3									4.2	3.5
ENE	.6	.6										1.3	1.5
E	2.6	4.5	.3	.3								7.8	4.2
ESE	1.3	.6	.6	.3								3.8	5.1
SE	1.3	1.3	.3									2.6	4.0
SSE		1.9	1.3	1.3								3.9	7.3
S	.6	1.3	1.3	.6								3.2	7.1
SSW	1.3		.3									1.3	4.3
SW	.6			.6								1.3	3.3
WSW	.6	.6	.3									1.6	4.4
W	1.3			.6								1.9	5.3
WNW	.3	1.9	1.3	.3	.3							3.2	7.5
NW	2.6	1.3	1.3	.3	.3							5.5	5.6
NNW	.6	2.9	2.9	2.3	.3							9.1	8.4
VARBL													
CALM												26.9	
	22.7	26.2	13.6	9.7	1.0							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97541 WHITING FIELD, FL STATION NAME 73-42 YEARS JAN  
MONTH 06  
HOURS 11 57  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	5.2	4.9	1.5								16.2	5.9
NNE	4.2	1.2	1.9	.3								8.4	4.6
NE	5.5	1.6	1.7									8.4	3.6
ENE	1.3	1.3	.3									2.9	5.8
E	3.7	1.3	1.0									5.5	3.6
ESE	1.7	1.6	1.3	.3								4.5	5.4
SE	1.3	1.6	.6	.6								3.6	5.9
SSE	1.0	.3	.6									1.9	4.7
S	1.3	1.3	1.3									3.9	5.2
SSW	.3	1.0	.3									1.6	5.2
SW		.3	.6									1.0	7.0
WSW		.3		.3								.6	8.5
W	1.3	1.0	.3	.3								2.9	4.8
WNW	1.3	.6		.3								2.3	4.1
NW	.3	.3	1.9	1.3	.3							4.2	10.8
NNW	1.9	2.6	1.6	1.6	.6							8.4	8.0
VARBL													
CALM												23.6	
	29.5	21.7	18.1	6.2	1.0							100.3	4.3

TOTAL NUMBER OF OBSERVATIONS 309

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1494 STATION NAME WATKINS FIELD, FL YEARS 73-82 MONTH JAN  
CLASS ALL WEATHER MONTH 09  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.9	6.5	1.6	.3							13.3	7.9
NNE	.6	5.5	3.2	.6								10.5	6.5
NE	2.3	2.6	.3									5.2	4.0
ENE	1.7	3.2	1.6									5.8	5.2
E	2.9	3.2	1.6									7.8	4.6
ESE	2.6	4.9	1.3									8.7	4.7
SE	2.3	2.6	1.6	1.0								6.5	5.2
SSE	1.6	.7	1.6									2.5	5.6
S	1.3	2.3	1.3									6.1	5.1
SSW	.6	.6	.6									1.9	4.3
SW	.7	1.7	.6									2.3	5.6
WSW	1.3	1.6		.3								2.6	4.3
W	.7	1.3	1.3	.3								3.2	6.5
WNW			1.0	.6								1.6	11.4
NW	.3	.3	1.2	1.6								4.2	9.5
NNW	1.6	2.6	2.6	1.3	.6							8.7	7.0
VARB													
CALM												9.4	
	25.7	38.6	26.3	7.4	1.0							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 309

8MOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-80 YEARS JAN  
STATION 17 MONTH 17  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	6.5	5.6	2.9								15.5	7.6
NNE	1.0	2.6	1.0	.3								4.2	4.9
NE	1.9	.6	.3	.3								3.2	4.6
ENE	1.6	.3	.3									2.5	3.6
E	.6	2.9	.3									3.9	4.9
ESE	1.0	2.3	1.0									4.2	5.7
SE	1.0	2.3	1.0	.6								5.8	7.1
SSE	.6	2.6	1.0	1.0								5.8	6.8
S	5.0	1.9	3.6	2.3								11.0	7.1
SSW	.6	.3	2.3	.3								3.5	6.8
SW		.6	1.0	1.0	.3							2.9	10.1
WSW	.6	.6	.6	.6								2.6	6.6
W	.6	1.9	1.0									3.9	5.5
WNW	.3	1.0	1.9	.6								4.2	7.5
NW	1.0	2.9	3.6	1.9	.6							12.0	8.6
NNW	1.6	2.6	3.6	2.6		.3						10.6	9.0
VARBL													
CALM												5.6	
	15.5	32.6	29.4	14.8	1.0	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 75-82 YEARS JAN  
ALL WEATHER SOUTH  
CLASS 18  
CONDITION HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.8	4.1	2.6								15.2	7.7
NNE	1.2	1.4	1.3	.3								5.2	5.0
NE	.4	1.3	.6									2.6	5.4
ENE	1.3	1.0	1.0									3.2	3.9
E	1.9	1.3	.3									3.5	3.6
ESE	1.0	.6	1.3	.6								3.5	7.3
SE	.7	2.3	1.6									4.2	6.0
SSE	1.6	1.3	2.2	1.0								6.8	6.9
S	1.3	4.2	4.5	1.9								12.6	7.4
SSW	1.3	2.3	2.5	.3		.3						7.7	7.0
SW		1.3	1.0	1.0								3.2	4.2
WSW	.3	.3	.6	1.3		.3						2.9	10.4
W		1.3	.3	.3								1.6	7.0
WNW	1.0	1.3	1.6	1.0								4.8	7.7
NW	1.0	2.6	3.2	1.3	.3							4.4	7.6
NNW	1.2	2.6	2.9	2.3	.3							10.2	3.0
VARBL													
CALM												4.5	
	16.1	31.6	32.6	13.9	.6	.6						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73-32 STATION NAME WHITING FIELD, FL YEARS 73-82 MONTH JAN  
CLASS ALL WEATHER HOURS (LST) 18  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	7.4	2.6	.6	.3							12.9	5.9
NNE	1.3	1.3	.6									3.5	4.3
NE	1.2	1.3	.6									3.7	4.2
ENE	1.6	.6	.2									2.5	4.0
E	1.7	1.3	.2									2.9	4.4
ESE	1.2	1.6	1.2									3.9	4.9
SE	1.2	1.7	1.6									3.5	4.5
SSE	1.6	2.6	.5	.3								5.2	5.3
S	4.2	4.2	1.2	.3								10.3	4.2
SSW	2.2	1.6	1.2									5.5	3.9
SW	2.7	1.9	1.3									5.5	4.6
WSW	1.2	1.2	.3		.3							2.5	6.5
W	.6	.3	.2									1.3	3.3
WNW	2.3	1.2	.3	.3								3.9	4.9
NW	1.7	3.2	1.2	1.6								7.1	4.5
NNW	4.3	1.3	2.2	1.3								9.7	5.2
VARBL													
CALM												15.6	
	31.9	32.3	15.2	9.5	.6							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 316

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WIN

STATION ASHEVILLE FIELD, NC STATION NAME 73-22 YEARS 1A  
CLASS ALL WEATHER HOURS 7  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%
N	4.5	5.2	3.2	1.3								14.2
NNE	2.2	3.3	1.4									7.4
NE	1.5	1.4	.7									2.9
ENE	1.5	1.4										2.9
E	2.2	1.4	1.7									5.2
ESE	1.5	1.7	.8									3.7
SE	1.9	1.4	1.7	.7								5.8
SSE	1.5	1.7	1.7									4.9
S	2.6	1.7	1.7	.7								6.1
SSW	1.5	1.7										2.9
SW	.6	.6	.7									1.6
WSW	1.7	.6										2.9
W	2.6	1.7		.7								4.7
WNW	1.7	1.7		.7								3.2
NW	1.7	1.7	1.7	1.7								5.9
NNW	2.6	1.7	1.7	.6								6.5
VARBL												
CALM												71.1
	32.6	28.1	17.9	5.2								100.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-57 YEARS JAN  
MONTH ALL WEATHER  
CLAS ALL  
HOURS 11 5 Y  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	5.7	4.3	1.6	.1							14.7	6.5
NNE	2.3	2.6	1.6	.4								6.2	5.1
NE	2.2	1.4	.6	.0								4.2	4.1
ENE	1.2	1.3	.7									2.9	4.3
E	2.3	2.1	.6	.0								5.1	9.2
ESE	1.4	1.2	.6	.2								4.4	5.3
SE	1.3	1.7	1.2	.4								4.7	6.0
SSE	1.1	1.5	1.2	.5								4.2	6.1
S	2.1	2.3	1.9	.7								7.0	5.9
SSW	1.7	.6	1.1	.1		.0						3.3	5.7
SW	.6	.5	.7	.3	.1							2.5	6.7
WSW	.5	.4	.7	.4	.0	.0						2.2	6.1
W	1.1	1.0	.5	.2								2.8	4.9
WNW	.9	1.0	.3	.4	.0							3.2	6.4
NW	1.1	1.6	1.9	1.4	.2							6.2	7.8
NNW	2.3	2.4	2.3	1.7	.2	.0						9.0	7.2
VARBL													
CALM												16.6	
	24.4	28.7	20.4	8.6	.7	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2476

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 71-PT YEARS 755  
MONTH 00  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0	4.6	2.1	.7								12.4	5.7
NNE	3.5	2.1	1.1									6.7	4.0
NE	2.1	.7	.4									3.2	3.1
ENE	1.8	1.1	.4									2.8	4.3
E	2.1	1.8	1.1									4.6	4.3
ESE	1.3	2.1	1.1	.7								6.7	5.7
SE	.7	1.3	.7									2.8	5.0
SSE	1.1	1.1	.4	.4	.4							3.2	7.8
S	1.8	.7	1.8									4.3	6.4
SSW	1.1	1.4	.4	1.1								3.2	6.5
SW	.7	1.5	.7									3.2	5.2
WSW	1.4	.4	.7									2.5	4.6
W	5.7	1.9		.4								5.7	1.6
WNW	1.3	1.1		.4								3.2	4.3
NW	.4	1.8	.7									2.8	5.9
NNW	2.1	1.8	2.5	2.5	.4	.4						9.6	8.4
VARBL													
CALM												23.4	
	30.9	24.8	13.9	6.0	.7	.4						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2824 WHITING FIELD, FL STATION NAME 73-92 YEARS PER  
MONTH 07  
HOURS (LST) 07  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	5.7	2.8	1.1								12.4	5.7
NNE	1.9	2.8	.7	.4								7.8	4.2
NE	2.8	1.1										3.8	3.1
NNE	1.4	1.1	.7									3.2	4.6
E	1.8	3.2	.7	.4								6.7	5.0
ESE	2.8	1.1	.7									4.3	4.2
SE	1.1	1.4	.7	.7								3.9	4.1
SSE	.7	.7	.4									1.8	4.8
S	1.4	.4		.4								2.1	4.5
SSW	.7	.4	1.4	.7								3.2	7.1
SW	.4	1.1										1.4	3.8
WSW	1.1	2.1	.7									3.9	5.3
W	2.8	1.8	.7	.4								5.7	4.4
WNW	.7	1.1	.4	.4								2.3	5.1
NW	1.1	1.4	.7	.4								3.5	5.6
NNW	1.5	5.0	.7	1.1								10.1	5.4
VARB													
CALM												24.1	
	28.7	30.1	11.3	5.7								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 282

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL YEAR 1972-73 MONTH 04  
STATION NAME YEARS NORTH  
CLASS ALL WEATHER  
ORIGIN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	4.7	7.6	1.1								13.5	5.4
NNE	7.3	3.5	1.1	.6								10.3	4.1
NE	1.1	.4	.4	.4								1.2	4.2
ENE	2.5	1.1	.4									4.0	3.8
E	1.1	1.1	2.5	.4								6.4	5.6
ESE	1.1	1.1	1.1									3.9	4.3
SE	1.1	1.1	1.1									3.9	5.0
SSE	.4	.7	.4	.7								2.1	6.5
S	.7	.4	.7									1.3	5.0
SSW	.7		.7	.4								1.3	6.4
SW	1.1	.7										1.8	3.4
WSW	.4	.4	.4									1.1	5.3
W	.7	3.5	.4	.4								5.0	5.4
WNW	.7	1.1	1.1									3.2	5.0
NW	3.1	2.5	.4	.4	.4							5.7	5.5
NNW	1.1	2.5	2.5	1.1								7.4	7.0
VARBL													
CALM												25.9	
	27.0	25.7	16.0	5.0	.4							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 242

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1384 STATION NAME WHITING FIELD, FL YEAR 73-82 PER MONTH 09  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	4.6	3.2	3.9								13.1	7.6
NNE	2.1	1.4	3.5	.7								8.2	6.4
NE	1.4	2.6	1.8	.7								6.7	6.0
ENE	1.4	2.6	1.1									5.7	4.9
E	.7	4.3	2.2									7.8	5.9
ESE	2.1	5.0	.7									9.2	4.3
SE	1.4	2.1	1.4	.7								5.7	6.1
SSE	.7	1.8	.4	.4								3.2	5.7
S	1.2	1.4	1.4	1.1								5.7	6.8
SSW	1.4	1.1	1.2									4.3	5.3
SW		1.1	.4	.4								1.8	7.0
WSW	.4	1.4	1.4									3.2	6.0
W	.7	1.1	2.5		.4							4.3	7.4
WNW	.4	1.1	1.8	.4								3.5	6.8
NW	.4	1.3	1.8	.7	.4							5.1	8.0
NNW	1.1	1.4	1.8	3.2	.4							7.8	8.8
VARS													
CALM												8.6	
	12.1	35.5	27.7	12.1	1.1							100.2	6.2

TOTAL NUMBER OF OBSERVATIONS 242

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17341 WHITING FIELD, FL STATION NAME 11-81 YEAR 1981 MONTH FEB  
CLASS SL - 11-81 HOUR 11 57  
COUNTRY

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	7.9	5.1	1.4								11.0	7.6
NNE	.7	1.1	2.1	.7								4.5	7.1
NE	1.4	1.4	.7	.4								4.3	4.9
ENE	1.4	2.1	.4									4.0	4.3
E	2.1	1.1	.7									4.3	4.1
ESE	.4	1.4	1.1									2.6	5.3
SE		2.1	1.4	.7								4.3	7.7
SSE		2.1	1.4	1.1	.4	.4						6.0	6.8
S	.7	7.2	1.9	1.4	.4							7.4	7.7
SSW	.4	1.1	2.1	.7	1.1							6.7	9.2
SW	.4	2.1	.7	.4								3.5	6.2
WSW	.7	.4	1.4	.4								3.2	7.2
W	1.1	1.4	2.1	1.1	.4	.4						6.4	9.1
WNW	1.4	1.4	1.4	1.1	.4							6.4	7.2
NW		7.2	1.2	2.1								7.4	8.1
NNW	1.4	1.4	5.1	2.1	.7							11.7	6.6
VARBL													
CALM												5.0	
	14.2	30.1	31.9	13.8	3.2	.7						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 242

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72741 WHITING FIELD, FL STATION NAME 73-82 YEARS FEB  
MONTH 15  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.5	5.0	2.8								13.1	7.8
NNE	.7	3.5	1.4	.7								6.4	6.6
NE	.4	2.1		.4								2.8	5.5
ENE	1.1	1.4	.4									2.8	4.8
E	1.4	.7	.4									2.5	3.9
ESE	.4	.7	.4	.4								1.8	7.2
SE	.7	2.5	1.4									4.6	5.4
SSE		.7	1.4	1.1								3.5	9.4
S	1.8	3.9	5.6	1.4		.4						17.0	7.9
SSW	.4	1.4	5.3	.4								7.8	7.1
SW	.7	1.4	2.5	.4								5.0	6.9
WSW	.4	2.1	.7	.4								3.5	6.1
W		.7	2.5	.7	.4							4.3	10.1
WNW	.7	3.2	1.8	.7	.4							5.7	7.3
NW	.7	2.5	2.8	1.4								7.4	7.5
NNW	.4	2.5	3.2	3.2								9.7	8.4
VARBL												1.4	
CALM													
	11.3	33.3	39.2	13.8	.7	.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 252

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 47391 WHITING FIELD, FL STATION NAME 13-62 YEARS FEB  
ALL WEATHER CLASS 1P  
CONDITION HOUR (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	4.6	2.2	1.1								13.1	5.7
NNE	2.2	2.1	.7									5.7	4.9
NE	1.2	.7	.7	.5								5.5	5.3
ENE	.7	.7	.4									1.5	4.8
E	1.5	1.5		.4								2.9	4.8
ESE	1.1	.7	.7									2.5	5.1
SE	1.1	.7	1.1									2.7	5.3
SSE	1.4	.7	1.1	.4								3.5	5.7
S	2.2	5.2	1.2	1.1		.4						13.6	5.5
SSW	2.5	6.7	1.8	.4								11.7	5.7
SW	1.1	2.7	.7	.7								5.7	5.8
WSW	1.3	1.4	1.4									4.5	5.0
W	1.4		.4									1.2	3.2
WNW	1.2	2.8	.4	.7								5.7	5.3
NW	1.2	1.4	2.1	.4								5.7	5.6
NNW	1.1	1.4	1.2	.4								4.6	5.7
VARBL													
CALM												6.9	
	24.4	37.6	18.1	5.7		.4						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 242

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-22 YEARS FEB  
CLASS ALL WEATHER MONTH 21  
CONDITION 21 HOURS (LST) 21

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	5.7	2.1	1.4								12.4	5.6
NNE	1.0	1.5	1.4									5.0	4.9
NE	1.1	1.4										2.5	3.6
ENE	1.0	.7										2.5	3.1
E	1.0	1.1	1.4									4.3	5.2
ESE	.5	1.1	.4	.4								2.1	6.3
SE	1.0	2.3	.7	.4								5.7	4.8
SSE	.7	1.4	.4	.4								2.0	5.5
S	2.2	2.5	2.5	.4	.4							6.0	5.8
SSW	2.5	1.1	.4	.4								4.3	4.3
SW	2.1	1.1	.4									3.5	4.2
WSW	3.6	1.0		.4								6.7	3.3
W	3.5	3.5	.4									7.4	3.5
WW	1.4	.4	.4									2.1	3.5
NW	1.4	.7	.4	.4	.4							3.2	6.3
NNW	2.5	3.5	2.5	1.1								9.6	5.0
VARBL													
CALM												17.0	
	34.0	50.1	13.1	5.0	.7							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 212

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-52 YEARS FE9  
ALL SEATHER MONTH ALL  
 CLASS ALL  
 HOURS (L.S.V.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.4	2.4	1.7								12.4	6.3
NNE	2.5	2.3	1.5	.4								6.4	5.0
NE	1.0	1.3	.4	.3								3.5	4.8
ENE	1.5	1.5	.4									3.5	4.3
E	1.7	1.5	1.2	.1								5.0	5.0
ESE	1.5	1.5	.2	.2								4.0	5.0
SE	1.1	1.0	1.1	.3								4.2	5.7
SSE	.5	1.2	.2	.5	.1	.0						3.3	7.3
S	1.2	2.7	2.4	.7	.1	.1						7.8	6.5
SSW	1.2	1.7	1.0	.5	.1							5.4	6.4
SW	.3	1.5	.7	.2								2.1	5.6
WSW	1.7	1.2	.5	.1								3.6	5.1
W	1.5	1.7	1.1	.4	.1	.1						5.1	5.0
WNW	1.1	1.6	.9	.4	.1							4.2	6.0
NW	1.0	1.9	1.3	.8	.1							5.1	6.7
NNW	1.7	2.5	2.5	1.8	.2	.1						3.5	7.4
VARBL													
CALM												13.5	
	2.3	31.0	21.4	8.4	.8	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2256

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17441 HATTING FIELD, FL STATION NAME YEARS 71-87  
ALL WEATHER CLASS  
CONDITION

W & D NORTH  
00  
HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	2.1	3.5	1.3								11.0	5.9
NNE	2.5	1.0	.7									4.8	5.2
NE	.0	.1	.7									1.5	4.5
ENE	.1											.3	2.0
E	1.3	1.7	1.7									3.5	5.4
ESE	1.3	2.3	1.7	.7								5.2	5.6
SE	2.0	1.5	.7	.6	.3							5.8	5.0
SSE	2.7	3.5	1.7	1.5		.7						9.0	5.5
S	1.0	3.2	2.3	2.6	.3							10.3	7.6
SSW	1.7	1.0		1.3	.7							3.5	6.5
SW	1.0	2.3	.7									3.5	4.4
WSW	.0	1.5										2.3	4.6
W	2.6	.7	.7	1.7								4.2	5.0
WNW	1.0		.7	.6								1.0	7.0
NW	1.0	.3	.6	.3								2.3	6.1
NNW	1.0	2.6	.6		1.7							6.1	5.7
VARBL													
CALM												74.5	
	20.1	24.3	12.3	9.7	1.9	.7						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27047 STATION NAME ASHEVILLE, NC YEARS 1973-74 MONTH MAR  
CLASS ALL WEATHER HOURS (LST) 23  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.4	1.5	.5								12.7	4.9
NNE	1.7	2.7	.5									4.7	4.7
NE	.5	1.7	.7									1.7	4.7
ENE	1.7	1.7	.5									2.7	4.8
E	1.5	2.5	.5									4.5	4.5
ESE	2.5	1.7	1.7	.5								6.7	5.0
SE	2.7	1.7	.5	.7								4.5	4.7
SSE	1.7	1.7	1.5	.5								4.7	6.8
S	1.7	1.5	2.7	1.6	.7							7.5	4.3
SSW	.7	.7	1.7	.5								2.5	8.9
SW	1.7	2.7	1.5	.7								5.7	6.3
WSW	1.7	.5	.5									2.7	4.8
W	1.7	.5	.5									2.5	4.0
WNW	.5	1.5	.5	.3								3.7	5.5
NW	1.7	1.7	.5		1.7							3.7	3.4
NNW	2.7	1.7	1.7	.5	.3							6.5	5.7
VARBL													
CALM												24.4	
	25.4	25.5	15.5	5.8	1.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-80 YEARS 1941 MONTH MAR  
CLASS ALL WEATHER NORTH 76  
CONDITION NOV 1941

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.0	2.7	1.0								11.0	7.3
NNE	1.7	2.3	.3									4.3	4.1
NE	1.7	2.7	.3									4.3	4.7
ENE	1.7	1.7	1.7	.3								4.3	4.8
E	3.7	1.7	1.7									5.3	4.1
ESE	2.7	1.7	1.7	.3								6.1	4.5
SE	1.7	1.7	.3	1.6								5.7	6.8
SSE	.3		1.7	.6								2.3	4.3
S	2.7	2.7	1.7	.6	.7							8.1	4.3
SSW	.7	.3	1.7	.3								2.3	7.1
SW	.7	.3	1.7									1.7	1.3
WSW	1.7	1.7	.3	.6								3.7	5.9
W	1.7	1.6										3.7	3.6
WNW	1.7	.6	.7	.3								2.6	4.6
NW	.6	1.7	1.7	.3		.7						3.6	7.8
NNW	1.7	1.7	1.7	.3	1.7							4.7	8.7
VARBL													
CALM												23.5	
	27.1	26.1	15.2	6.3	1.3	.3						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 713

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION ASHEVILLE FIELD, NC STATION NAME ASHEVILLE YEARS 1955-56 M. J. NC

CLASS ALL WEATHER NO. OF HOURLY

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%
N	1.0	2.0	2.0	1.0	0.0							7.7
NNE	1.0	4.0	3.0	0.0								8.7
NE	1.0	1.0	1.0	1.0								6.1
ENE	1.0	1.0	1.0									4.0
E	1.0	4.0	1.0	0.0								3.7
ESE	1.0	2.0	1.0	0.0		0.0						6.1
SE	0.0	3.0	2.0	1.0	0.0							9.0
SSE	0.0	0.0	1.0	1.0	0.0							10.0
S	1.0	2.0	2.0	1.0	0.0							4.4
SSW	0.0	1.0	1.0	1.0								3.8
SW	0.0	1.0	0.0	0.0								1.0
WSW	0.0	1.0	0.0	1.0	0.0							3.8
W	0.0	0.0	1.0									1.0
WNW	0.0	1.0	1.0									3.8
NW	0.0	0.0	1.0	1.0								1.0
NNW	0.0	1.0	1.0	1.0	0.0	0.0						6.1
VARBL												
CALM												4.0
	11.0	34.1	23.4	15.0	2.0	1.0						100.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 41041 STATION NAME ASHEVILLE FIELD, FL YEARS 17-92 MONTH 12 HOURS (LST) 12  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	2.3	.6	.6							5.6	8.4
NNE	1.0	1.6	2.7	.3								5.2	6.2
NE	.3	1.6	1.7	.3								3.2	6.7
ENE	.3	1.7	1.7	.3								3.6	6.0
E	1.7	1.3	.6									2.9	5.1
ESE	.3	1.7	1.6	.3								3.2	7.3
SE	1.7	1.6	1.7	3.2		.6						7.4	9.8
SSE	1.7	1.7	4.7	2.3	.3							9.7	8.5
S	1.7	4.5	3.7	4.8	.6							20.6	9.1
SSW	1.7	2.3	2.6	2.3		.3						8.4	8.8
SW		.3	1.7	1.3	.6							3.2	11.9
WSW	1.7		1.3	.3								2.7	6.1
W	1.7	1.7	1.7	1.7								4.3	7.5
WNW	.3	1.7	2.6	.3								4.2	7.8
NW	.3	.3	1.6	1.3								3.4	6.8
NNW	.3	1.7	2.6	3.5	.3	.3						9.7	10.6
VARBL													
CALM												3.0	
	11.7	21.8	37.4	22.3	2.6	1.7						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-22 YEARS 15  
ALL WEATHER CLASS 15  
 HOURS (LST) 15  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.2	2.6	1.0								8.4	7.7
NNE		1.7	1.0									3.5	7.0
NE	.2			.3								.8	7.0
ENE	.2	1.3	.3	.3								1.0	6.0
E	1.2	.6	1.6									3.5	5.7
ESE	.2		1.1									1.0	7.5
SE	.4	1.3	1.2	3.2	.6							7.4	11.0
SSE	.7	1.0	4.2	2.3	.3							8.1	9.8
S	.7	3.2	11.3	6.1	.6							21.6	9.4
SSW	.4	.3	6.9	3.9								11.6	9.4
SW		1.0	2.3	1.6	.3							5.2	10.0
WSW		1.7	1.0	.3	.3							2.6	9.2
W	.2	.6	1.3	1.3								3.5	9.0
WNW	.4	.6	1.6	.6								3.5	7.3
NW	1.5	1.3	2.7	.6	.3							5.5	7.6
NNW	1.0	1.0	2.0	1.0	.3	.3						8.4	9.4
VARBL													
CALM												2.3	
	7.4	19.7	43.5	24.5	2.9	.3						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 110

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 47541 AMTINO FIELD, FL STATION NAME 73-62 YEARS MONTH 18 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	1.7	.6								8.4	5.4
NNE	2.3	1.7	.6									4.8	4.4
NE	.6	1.7										1.6	4.4
ENE	1.7	.6		.3								1.6	5.0
E	1.7	.6	1.7									4.2	4.8
ESE	.6	.6		.6								1.9	7.5
SE	.6	.6	2.0	2.3	.3							6.5	10.0
SSE		2.0	4.2	1.0								7.7	7.7
S	2.0	16.5	6.8	1.9								27.7	6.1
SSW	1.7	5.5	4.8	.3	.3							12.6	6.4
SW	.6	1.7	2.0		.3							5.5	7.7
WSW		.6	1.7									1.6	7.0
W	.6	.6	.6									1.9	5.8
WNW	1.7	1.7	.6	.3								3.2	5.3
NW	1.7	.6	.6	.3								2.9	5.0
NNW	.6	1.7	2.3	.6	.6							5.5	8.3
VARBL													
CALM												2.9	
	17.4	38.7	31.0	6.4	1.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION SPRINGFIELD, FL STATION NAME SPRINGFIELD YEARS 73-82 MONTH MAY

CLASS ALL WEATHER HOURS (L.S.T.) 21

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	5.5	1.7	.6	.3							11.0	5.0
NNE	1.0	1.7	1.6									5.0	5.5
NE	1.0	1.0	.7									2.3	4.3
ENE	.6	1.0	.3									1.0	4.3
E	1.0	1.0	.3	.3								2.6	5.6
ESE	1.0	2.3	1.3	.6								6.1	5.8
SE	1.7	1.0	1.6	.6	1.0							5.5	4.9
SSE	3.5	1.0	1.0	.7	.3							9.0	5.0
S	7.2	3.0	3.9	1.7								12.0	6.8
SSW	1.6	1.0	.6	1.3								5.5	6.8
SW	1.0	2.3	.6	.3								5.0	4.7
WSW	1.6	1.3	1.0									3.9	4.3
W	1.0	2.6		.3								4.6	4.2
WNW	1.0	1.6		.3								2.9	4.6
NW	.6	1.0	.6	.3								2.6	5.8
NNW	1.0	.6		1.6	.6							3.0	9.6
VARB													
CALM												15.0	
	27.4	51.0	14.5	3.7	2.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 57841 STATION NAME SHIPING FIELD, FL YEARS 73-82

CLASS ALL WEATHERED

CONDITION

MAC NORTH

ALL HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.3	2.3	1.7	.2							5.7	6.1
NNE	1.4	2.1	1.4	.1								5.0	5.3
NE	.6	1.2	.5	.3								2.7	5.9
ENE	.7	1.0	.6	.2								2.6	5.2
E	1.7	1.5	1.2	.1								4.5	5.1
ESE	1.5	1.5	1.2	.4		.7						4.6	5.9
SE	1.4	1.5	1.4	1.7	.4	.1						6.5	8.4
SSE	1.2	2.3	2.7	1.3	.2	.7						7.7	7.4
S	1.7	4.0	5.7	2.7	.3							14.6	7.7
SSW	.7	1.7	2.3	1.4	.1	.7						6.2	8.0
SW	.6	1.5	1.3	.5	.2							4.2	7.2
WSW	.5	.9	.7	.3	.1							2.7	6.2
W	1.2	1.7	.7	.4								3.3	5.7
WNW	.8	1.7	1.7	.4								3.1	6.1
NW	.9	.6	1.2	.6	.2	.7						3.5	7.5
NNW	1.1	1.5	1.6	1.3	.6	.2						6.3	8.8
VARBL													
CALM												12.7	
	19.2	28.0	24.6	12.7	2.1	.4						100.7	5.1

TOTAL NUMBER OF OBSERVATIONS 2480

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17441 WHITE FL 13-02 YEAR 1964 MONTH 09  
STATION NAME WHITE FL CLASS ALL WEATHER HOURS (L.S.T.) 00  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.7	2.7									10.3	4.6
NNE	2.7	1.3										3.3	3.4
NE	1.3	1.0	.3									1.7	4.2
ENE	.7	1.0										1.3	3.3
E	1.3	1.3	1.3				.7					4.0	6.8
ESE	.7	.7	.7									3.3	3.1
SE	1.7	1.7	1.7									5.0	4.6
SSE	1.7	1.7	1.7	.7								4.7	5.7
S	1.7	4.7	2.3	.7								9.3	5.8
SSW	1.7	.7	.7									2.7	3.6
SW	.7	.3		.3								1.0	7.7
WSW	.7	1.3			.3							1.7	6.8
W	7.7	2.3	1.7									7.0	3.6
WNW	1.7	1.3	.3									3.3	3.9
NW	.7	1.3	1.3									3.7	5.5
NNW	1.7	2.7	.7									3.7	4.4
VARBL													
CALM												34.7	
	24.7	25.2	13.3	1.3	.3		.3					100.2	3.1

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0101 JAISTING FIELD, FL 73-87 APC  
STATION NAME YEARS MONTH  
ALL WEATHER 03  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.7	7.7	1.0	.3								16.7	4.0
NNE	7.7	.7	.7									5.0	3.5
NE	1.0	.3	1.0									2.7	5.0
ENE	.3	1.0										1.3	4.0
E	1.7	2.3	.3									4.3	4.1
ESE	.7	.7	.3									3.0	3.9
SE	.3	2.3	1.0	.3								4.0	6.4
SSE	1.0	.7	1.7	.3								3.7	6.4
S	1.0	2.3	2.7	1.0								7.0	7.1
SSW	1.0	1.0		.3								2.3	5.0
SW	.3		.7	.3								1.3	7.8
WSW	.7	.3										.7	2.5
W	2.7	2.0	.7	.3								5.7	4.1
WNW	.7	1.3										2.0	4.3
NW	.7	1.0	.3	.7								2.7	6.6
NNW	1.0	2.3	1.0	.7								5.0	6.0
VARB.													
CALM												12.7	
	25.7	26.0	11.3	4.3								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-82 YEARS APC  
MONTH 06  
HOURS (LST) 06  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	6.3	1.3	.3								11.3	4.8
NNE	1.7	6.0	1.0									6.7	4.6
NE	1.7	1.7	.3									3.7	3.0
ENE	1.3	2.0	.3	.3								4.0	4.4
E	3.0	3.7	1.3									6.0	4.2
ESE	1.3	1.3	1.7	.3								4.0	5.3
SE	1.0	2.0	.7	.7								4.3	6.2
SSE	.7	1.7	1.3	.3								2.7	7.1
S	.7	1.3	1.7	.7								4.3	7.1
SSW	1.7		1.3									2.7	5.1
SW	.3	.3	.7									1.3	6.5
WSW	1.0	.7	.3									2.0	4.3
W	1.3	1.3	.7	.3								3.7	4.8
WNW	1.7	.7	.3									2.7	3.6
NW	1.3	.7	.7									2.3	5.3
NNW	2.0	2.3	.7	.7								5.7	5.4
VARBL													
CALM												30.7	
	23.7	23.7	13.3	3.7								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 370

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27441 STATION NAME WHITING FIELD, FL YEARS 73-82 MONTH APR  
 ALL WEATHER CLAS ALL WEATHER HOURS (LST) 09  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.3	2.7	.7								7.3	6.1
NNE	1.7	3.0	1.7	1.0								6.7	6.1
NE	1.0	1.7	1.0	.3								4.0	6.2
ENE	1.7	3.0	.7	1.0								6.3	5.9
E	2.3	5.0	2.7									10.0	5.0
ESE	1.0	5.7	1.3	.3								8.3	5.8
SE	1.7	1.3	2.7	1.7								7.0	8.1
SSE	1.7	1.7	3.7	4.3	.3							11.7	8.8
S	1.0	2.0	3.3	1.0								7.3	7.5
SSW	.3	1.0	2.0	.7		.7						4.3	9.1
SW	.3	.3	1.7	.3								2.3	7.3
WSW	.7	1.3	.3									2.3	4.3
W	.3	1.3	.7	1.7								4.0	8.3
WNW	1.0	1.3	1.3									3.7	5.5
NW	.7	1.0	1.0	.7								3.3	7.4
NNW	.7	1.7	3.7	1.3								6.7	7.6
VARBL													
CALM												4.7	
	15.7	34.7	28.3	15.0	.3	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23801 WHITING FIELD, FL STATION NAME 73-87 YEARS APD  
ALL WEATHER NORTH  
CLASS 12  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.7	3.7	2.3								9.0	8.2
NNE	1.3	2.0	1.3	.3								5.0	4.7
NE	1.0	1.7	.3									3.0	4.7
ENE	.3	1.3	.3	.3								2.3	6.3
E	.7	1.0	1.0									2.7	5.6
ESE	.7	2.0	2.3	.3								5.3	6.4
SE	1.0	2.0	3.3	2.0	.3							4.7	8.4
SSE	.3	1.7	2.0	2.3	1.0	.3						8.0	10.9
S	2.0	2.7	6.3	4.3								17.3	8.8
SSW		3.0	3.3	2.7	.3							9.3	9.4
SW	.3	1.7	1.3	.7								4.0	7.6
WSW	.7	.3	1.0	.3								2.3	7.3
W	1.3		1.7		.3							3.3	7.2
WNW	.7	.3	1.0	.3								2.3	6.7
NW	.3	1.0	2.7	2.0								6.0	9.1
NNW	1.0	1.7	3.7	.3								6.7	7.4
VARB.													
CALM												4.7	
	12.3	25.0	35.3	20.3	2.0	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 500

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07-41 WHITING FIELD, FL STATION NAME 73-20 YEARS  
APR 1950  
ALL WEATHER CLASS  
COBITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	1.7	2.7								8.7	9.2
NNE	.7	.7	1.0									2.3	5.4
NE		1.0	1.0	.3								2.3	7.3
ENE	.3	1.3	.3									2.0	4.5
E	.7	1.7	.7									2.7	4.9
ESE		1.0	1.3									2.3	6.9
SE		1.7	1.3	2.0	.3							5.0	10.4
SSE	.7	2.3	2.0	3.7	.3							8.7	9.3
S	.7	4.3	12.7	7.3	.3	.3						24.3	9.5
SSW	.7	2.0	6.3	2.7								11.3	7.8
SW		2.0	2.3	.3								4.7	7.0
WSW		.7	.3	2.3								3.3	12.0
W	.7	.7	2.0	.3								3.7	8.4
WNW	.7	1.7	1.3	.7								4.3	7.2
NW	.3	.7	2.3	3.3	.3							8.0	10.3
NNW		1.7	1.3	2.0								5.7	8.6
VARBL													
CALM												.7	
	4.7	25.3	40.0	27.7	1.3	.3						100.7	4.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME WHITING FIELD, FL YEARS 13-22 MONTH APR  
CLASS ALL WEATHER HOURS (LST) 13  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.7	3.0	.3								9.0	5.8
NNE	.7	1.7	.7									2.7	4.8
NE	2.0											2.0	2.0
ENE	.3	.7	.7									1.7	5.0
E		1.0										1.0	4.5
ESE		1.0	.7	.3								2.0	7.2
SE	.7	1.3	3.7	.7								5.7	7.8
SSE	.7	2.7	4.7	1.0								9.0	7.4
S	3.7	11.7	8.0		.7							23.7	5.9
SSW	2.0	10.0	4.0		.3							16.7	5.8
SW	1.0	3.7	1.0	.7								6.0	4.6
WSW	.7	1.3	1.3									3.0	7.0
W	.3	1.0	.7	.7								3.0	7.2
WNW	.7	2.0	.7									3.0	4.6
NW	.7	1.0	2.0	.3								4.0	7.3
NNW	.7	2.0	2.0									4.7	6.1
VARBL													
CALM												2.3	
	14.0	47.0	32.3	3.7	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1741 HATTING FIELD, FL STATION NAME HATTING FIELD, FL YEARS 1967-68  
CLASS ALL WEATHER NORTH 21  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	7.5	1.7									3.0	4.0
NNE	1.7	1.7	.7									3.0	4.0
NE	1.7	.7	.7									1.7	4.2
ENE	.7	.7										1.7	2.7
E	1.7	.7	1.7	.7								3.0	5.0
ESE	1.7	2.7	1.7									4.0	4.0
SE	.7	1.7	1.7	.3		.7						6.0	5.5
SSE	.7	4.7	1.7	.7								8.0	5.0
S	.7	4.7	1.7	.7								10.0	5.0
SSW	.7	.7	.7	.7								5.0	3.0
SW	.3	1.7	.7	.3								6.0	3.0
WSW	.7	1.7		.7								3.0	4.1
W	.7	.7	.7									5.0	3.0
WNW	1.7	1.7	.3									3.0	4.0
NW	1.7	2.7	.7	.7								4.0	4.0
NNW	2.7	.7	.7	.7								4.0	4.5
VARBL												1.7	
CALM													
	34.7	27.7	17.0	4.0		.7						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION WETTER FIELD, FL STATION NAME 77-22 YEARS 1977-1978  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%
N	0.0	4.1	2.3	0.0								10.0
NNE	1.0	1.0	0.0	0.0								4.0
NE	1.0	0.0	0.0	0.0								2.0
ENE	0.0	1.0	0.0	0.0								2.0
E	1.0	2.1	1.0	0.0			0.0					4.0
ESE	1.0	1.0	1.0	0.0								4.0
SE	1.0	1.0	1.0	1.0	0.0	0.0						5.0
SSE	1.0	2.1	2.1	1.0	0.0	0.0						7.0
S	1.0	4.2	5.0	2.0	0.0	0.0						13.0
SSW	1.0	2.0	2.0	0.0	0.0	0.0						5.0
SW	0.0	1.0	1.0	0.0								3.0
WSW	0.0	0.0	0.0	0.0	0.0							0.0
W	1.0	1.0	1.0	0.0	0.0							4.0
WNW	1.0	1.0	0.0	0.0								3.0
NW	0.0	1.0	1.0	0.0	0.0							3.0
NNW	1.0	1.0	1.0	0.0								3.0
VARBL												
CALM												14.0
	17.0	22.0	23.0	10.0	0.0	0.0	0.0					10.0

TOTAL NUMBER OF OBSERVATIONS

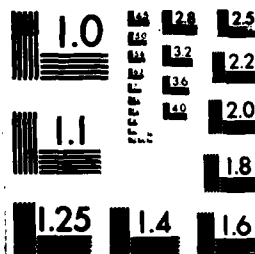
SMOS

UNCLASSIFIED

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N1

24



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 03941 WHITING FIELD, FL STATION NAME 71-82 YEARS MAY MONTH 00 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	2.9	.2									4.7	3.1
NNE	2.6	1.6	.3									4.5	3.6
NE	.6	1.0	.3									1.9	4.0
ENE	1.6	.6										2.3	3.6
E	1.2	1.0	.3									3.2	3.7
ESE	1.6	1.0		.6								3.2	4.5
SE	2.7	2.3										5.5	3.1
SSE	1.6	1.3	.6									3.5	4.2
S	1.3	1.0	2.3		.3							4.8	6.7
SSW	1.9	1.0	.6	.3								3.9	4.7
SW	1.9	.6										2.6	3.0
WSW	1.0	.3	.2									2.6	3.0
W	3.5	1.0										4.5	2.9
WNW	1.3	.3	.3									1.9	3.2
NW	1.3	1.0										2.3	3.6
NNW	1.6	2.3	.6									4.5	4.5
VARBL													
CALM												40.0	
	33.5	19.0	6.1	1.0	.3							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17541 MITCHELL FIELD, FL STATION NAME 73-82 YEARS MAY  
CLASS ALL WEATHER MONTH 03  
CONDITION 03 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	3.2	1.7									10.6	3.4
NNE	3.5	2.6	1.3									4.5	3.2
NE	1.7	1.7										3.2	3.7
NNE	1.7	1.7		1.3								2.3	5.4
E	1.7	1.6	1.3									3.2	3.8
ESE	1.5	1.3										1.9	2.2
SE	1.9	1.7	1.6	1.3								3.9	5.6
SSE	1.3	1.7	1.6									1.9	5.7
S	1.7	2.6	1.3									3.9	4.6
SSW	1.7	1.6										2.6	4.0
SW	1.6	1.7	1.3									2.9	3.8
WSW	1.7			1.3								1.3	4.3
W	2.9	2.9	1.6	1.3								6.8	4.3
WNW	1.6	1.6										1.3	3.8
NW	1.7	1.3										2.6	3.8
NNW	2.3	1.3	1.3									3.9	3.6
VARBL													
CALM												43.2	
	29.7	21.7	4.5	1.3								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7841 WHITING FIELD, FL STATION NAME 73-82 YEARS MAY  
MONTH 05  
HOURS (LST) 06  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.2	1.9									9.4	4.6
NNE	5.2	1.9	.6									8.1	3.1
NE	1.6	1.6										3.2	3.4
ENE	2.6	1.0	1.0									4.5	3.7
E	2.9	2.0	.6									6.5	3.8
ESE	2.3	1.2	.6									6.1	4.3
SE	3.5	1.0	.6									5.2	3.4
SSE	1.0	.6	.3	.3								2.3	5.6
S	.3	1.6	.3	.6								2.9	6.9
SSW	.6	1.3	.6									2.6	5.5
SW	1.0	.3										1.3	3.5
WSW	1.0	1.0										2.9	3.1
W	1.6	1.0	.3									3.9	4.2
WNW	1.0	.6										1.6	3.6
NW	1.6	1.3										2.9	3.4
NNW	1.0	1.6	.6									4.2	4.2
VARB													
CALM												32.6	
	32.6	26.1	7.7	1.0								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-22 YEARS MAY  
CLASS ALL WEATHER MONTH 09  
CONDITION HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.2	1.6									4.4	5.8
NNE	.3	3.4	1.7	.6								5.8	6.7
NE	1.3	4.2	.2	.6								6.9	5.4
NNE	1.7	2.2	.6									5.2	4.5
E	2.2	1.2	2.6									8.7	5.0
ESE	.2	2.3	1.7	.6								5.2	6.9
SE	1.3	2.6	2.9	1.6								8.4	7.1
SSE	.6	4.2	2.3	.3								8.1	6.2
S	1.2	4.2	3.2	1.6								11.0	6.3
SSW	.2	1.0	1.9									3.5	6.0
SW	.2	1.3	1.7	.3								3.2	6.3
WSW	.2	1.9	.3									2.6	5.3
W	1.3	1.6	1.3									4.2	5.6
WNW	1.3	1.4	1.9	.3								5.2	5.8
NW	.6	2.2	1.0									5.3	5.8
NNW	1.6	2.6	1.7									5.5	5.0
VARIABLE													
CALM												6.5	
	17.4	43.5	26.5	6.1								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-82 YEARS 1941 MONTH 1 HOUR (L.S.T.) 1

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3	2.6	.3								4.6	7.1
NNE	1.0	1.3	2.9									5.2	6.4
NE	1.0	1.3	.6	.3								3.2	5.5
NNE	1.0	1.6	.3									3.2	4.3
E	.3	1.0	1.0	.3								2.6	6.5
ESE	.3	1.6	1.6									3.5	6.7
SE	1.0	.6	1.0	1.3								5.2	7.6
SSE	1.3	2.9	2.6	2.9								9.7	7.0
S	1.3	3.2	8.8	3.2								16.3	7.8
SSW	1.3	2.9	2.0	1.9	.3							9.4	7.8
SW	.6	1.3	2.6	1.0								5.8	7.6
WSW	.6	2.3	1.6	.3								4.8	6.5
W	1.6	1.6	1.3	.3								4.8	5.8
WNW	.3	1.0	1.6									2.9	6.8
NW	1.3	1.0	2.3	1.0								5.5	6.9
NNW	2.9	1.0	1.4	.3								6.1	5.3
VARBL													
CALM												6.5	
	17.1	26.5	36.8	13.2	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 310

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13841 WHITEFIELD, FL STATION NAME 73-82 YEARS MAY MONTH 15 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.3	2.4	.3								5.4	7.0
NNE	.0	1.3	.5									2.6	5.3
NE	.3	1.3	.3	.3								2.3	6.6
ENE	.3	1.0	1.0									2.3	5.7
E	.3	1.3	1.3		.3							3.2	7.3
ESE	.3	.3	.3									1.0	4.7
SE	.3	1.0	1.0	.3								2.6	6.9
SSE	1.0	2.6	1.0	2.6								8.1	7.9
S	1.0	7.9	13.9	3.9								26.1	7.9
SSW	.6	3.2	9.4	2.9								16.1	8.4
SW	.3	1.3	3.2	1.6								6.5	8.0
WSW	.6	1.3	2.3									4.2	7.2
W	.3	1.0	1.0	.6								2.9	7.8
WNW	.0	1.6	1.3	.3								3.9	6.2
NW	.5	1.6	1.3	.3								3.9	6.8
NNW	.0	2.6	2.3	.6	.3							6.5	7.4
VARBL													
CALM												7.3	
	5.4	31.0	43.9	13.9	.6							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93641  
STATION

WHITING FIELD, FL  
STATION NAME

73-82  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

18  
HOURS (LST)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	2.6	.3								7.1	6.4
NNE	1.0	1.3	.5	.3								3.2	5.4
NE	.2	1.3	.3									1.9	5.5
NNE	.5	1.3	.2									2.3	4.4
E	1.5	1.9	.3									3.9	3.8
ESE	.7	.3	.5									1.3	6.3
SE		1.6	.5									2.3	6.0
ESE	.5	2.4	2.9									6.5	6.5
S	2.6	12.6	8.7	1.7								24.2	6.5
SSW	1.7	8.4	8.7	1.3								20.3	6.7
SW	.3	5.5	1.5	.3								8.1	6.1
WSW	1.0	1.0	1.3	.3								3.5	6.2
W	.3	1.3	1.0									2.6	6.3
WNW		.5	.3									1.0	7.0
NW	1.0	.3	1.0		.3							2.6	7.1
NNW	.3	2.6	1.3	.3								4.5	6.5
VARB.													
CALM												4.2	
	13.2	46.1	32.3	1.2	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 21341 WHITING FIELD, FL STATION NAME 73-02 YEARS MAY  
ALL WEATHER 21  
CLAS 21  
CONDTION 21

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.5	1.0	0.5									7.1	3.3
NNE	1.0	1.5	1.0									3.9	4.3
NE	0.5	0.5	0.5									1.5	4.4
NNE	0.5	0.5										1.0	3.3
E	2.0	1.0										3.0	2.0
ESE	0.5	0.5	0.5									3.0	3.0
SE	1.5	2.0		0.3								6.5	3.0
SSE	1.0	2.0	1.0	0.3								5.0	5.0
S	2.0	2.0	2.0									7.0	4.9
SSW	4.0	3.0	1.0	0.3								9.4	4.2
SW	6.0	1.0										9.1	2.0
WSW	4.0	2.0	0.3									6.0	3.3
W	2.0	2.0										5.0	3.1
WNW	0.5	0.3	0.5									1.0	3.0
NW	0.3	0.3										0.6	3.0
NNW	1.0	0.5	0.3									2.0	3.0
VARBL													
CALM												25.0	
	41.0	23.9	8.1	1.0								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 317

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 47841 WHITING FIELD, FL STATION NAME 73-82 YEARS MAY MONTH ALL HOURS (L & Y) CLASS ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.4	1.7	0.1								7.7	4.8
NNE	2.0	1.7	0.0	0.1								4.7	4.6
NE	0.0	1.7	0.3	0.2								3.0	4.7
NNE	1.2	1.2	0.4	0.0								2.9	4.4
E	1.4	1.7	0.0	0.0	0.2							4.3	4.5
ESE	1.1	1.2	0.7	0.2								3.2	5.0
SE	1.0	1.5	1.0	0.5								4.9	5.3
SSE	1.0	2.4	1.5	0.8								5.7	6.5
S	1.3	4.4	4.7	1.3	0.7							12.2	6.4
SSW	1.5	2.7	3.1	0.8	0.0							8.5	6.6
SW	1.5	1.7	1.1	0.4								4.9	5.6
WSW	1.5	1.2	0.4	0.1								3.6	4.9
W	1.7	1.7	0.7	0.2								4.4	4.7
WNW	0.7	0.4	0.2	0.1								2.4	5.4
NW	1.0	1.2	0.4	0.2	0.0							3.2	5.6
NNW	1.6	1.5	1.1	0.2	0.0							4.7	5.3
VARBL													
CALM												0.1	
	24.1	29.8	20.7	5.2	0.2							100.1	4.4

TOTAL NUMBER OF OBSERVATIONS 2480

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72841  
STATION

WHITING FIELD, FL  
STATION NAME

73-82  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3		.5								8.7	3.5
NNE	.7	.3										1.0	2.3
NE	.7	1.0										1.7	4.0
NNE	2.0	.7										3.7	2.5
E	2.3	.7	.3									3.3	3.2
ESE	2.0	.7										2.7	2.5
SE	2.3	.7										3.0	3.0
SSE	1.0	.3										1.5	3.3
S	1.7	1.3										3.0	3.4
SSW	1.7	1.0										2.7	3.3
SW	3.7	1.0										4.7	2.7
WSW	2.7	2.0										4.7	3.3
W	5.7	2.0										7.7	2.8
WNW	1.7	.3										1.7	2.6
NW	1.3	.7										2.0	3.2
NNW	2.3	1.0										3.3	3.0
VARB.													
CALM												45.7	
	17.0	17.0	.3	.3								170.5	1.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17041 WHITING FIELD, FL 73-76 73-76  
STATION NAME YEARS MONTH JUN  
CLIM ALL WEATHER  
HOURS (LST) 73  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.7	.3									12.3	3.5
NNE	1.7	1.3	.3									5.0	3.0
NE	1.7	.3										1.7	3.2
ENE	.7	1.3										2.0	4.0
E	1.7	1.3	.3									4.7	3.4
ESE	1.7											1.3	2.0
SE	1.7	.3										1.5	3.0
SSE	.3	.7										1.0	3.7
S	.7	1.3										1.7	3.4
SSW	1.7	.7										2.3	2.7
SW	2.3	1.0										3.3	2.8
WSW	2.3	2.0	.3									4.7	3.9
W	4.7	.7										4.7	2.2
WNW	.3											.3	2.0
NW	1.7	1.0										2.7	3.1
NNW	.7	1.3	.3									5.3	3.1
VARBL													
CALM												46.0	
	33.7	18.7	1.7									100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-20 YEAR 1964 MONTH JUL  
CLASS ALL WEATHER HOURS (L & T) 24  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	2.7									13.0	2.1
NNE	1.7	2.7										5.0	2.6
NE	1.7	1.3	.7									4.7	2.2
ENE	1.7	1.3	.7									3.7	4.0
E	1.7	2.3	.7									5.0	2.6
ESE	1.7	1.3										4.0	2.6
SE	1.7	.7										2.0	2.5
SSE	.7	.7	.2									1.3	4.0
S	.7	1.3										1.7	3.6
SSW	1.7	.7										2.3	2.4
SW	1.7	1.3										2.3	3.0
WSW	1.7											1.0	1.0
W	4.0	2.3	.7									6.7	2.4
WNW	1.7		.7									1.7	4.3
NW	1.3	.7										3.0	2.6
NNW	2.3	.7	.7									3.0	2.0
VARBL													
CALM												76.7	
	22.3	41.0	5.3									100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE FIELD, FL STATION NAME 71-80 YEARS JUN  
ALL WEATHER NORTH 09  
 CLAS 09  
 HOURS (LST) 09  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	4.3	1.7									11.0	3.9
NNE	0.7	2.7	1.7	0.7								4.3	5.8
NE	1.7	2.7	0.7									4.3	4.3
ENE	1.7	2.7	1.7	0.3								6.7	5.3
E	1.7	3.7	0.7									6.7	4.5
ESE	1.7	1.7	0.7									3.7	4.8
SE	0.7	2.7	0.7									4.7	4.7
SSE	0.3	1.7										3.7	3.0
S	1.7	3.7	2.3	0.3								7.7	5.6
SSW	0.7	3.7	2.7									7.4	6.1
SW	0.7	2.7										3.7	4.3
WSW	2.7	1.7	2.7	0.3								6.7	5.7
W	1.7	4.7	3.7	0.3								10.4	5.0
WNW	1.7	3.7	1.7									5.4	4.8
NW	1.7	3.7	0.7									5.4	4.9
NNW	1.7	2.7	1.7	0.3								5.4	4.9
VARBL													
CALM												2.4	
	22.4	44.1	19.1	2.0								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 209

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 77-52 YEARS JUL  
MONTH 12  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	6.3	1.7	0.3								11.0	4.9
NNE	0.7	3.0	0.7	0.3								4.7	5.9
NE	0.7	1.7	0.7	0.3								3.3	6.0
NNE	1.0	2.3	0.7	0.3								4.3	5.5
E	1.7	1.7	0.7	0.2								4.3	5.1
ESE	1.3	1.3	0.3									2.7	4.6
SE	0.7	1.7	0.7									3.0	4.9
SSE	0.7	2.0	2.0									4.3	6.2
S	1.0	3.3	6.0	1.3								11.7	7.4
SSW	0.7	2.7	5.0	0.7								9.0	7.5
SW	0.7	2.0	2.0									4.3	6.2
WSW		1.3	2.0	0.7								5.0	7.4
W	2.3	4.3	1.0									7.7	4.4
WNW	2.0	3.0	1.7									6.3	4.7
NW		2.7	0.7									3.0	5.2
NNW	1.3	3.0	1.7	0.3								7.0	4.7
VARIABLE													
CALM												8.3	
	17.3	42.0	27.7	4.7								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-52 YEARS JUN  
MONTH 15  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.0	2.7	.7								7.3	6.7
NNE	1.0	1.3	1.7									3.7	5.2
NE		.7	.7	.3								1.7	8.2
ENE	1.7	1.7	1.7	.3	.3							4.7	6.1
E	1.0	1.0	.7	.3								3.0	8.6
ESE	.3	1.3	1.0									2.3	6.0
SE	.7	.3	1.7	.3								3.0	7.0
SSE		.7	1.7									2.0	7.2
S	1.7	5.7	11.3	.7								18.3	7.3
SSW	.3	5.7	7.7	1.7								15.3	7.3
SW	.7	3.0	3.0	1.0								7.3	7.2
WSW	.7	1.3	2.0	.3								6.0	6.6
W		2.0	2.7									4.7	7.4
WNW	1.7	1.3		.3								2.7	4.9
NW		1.3	2.3	.3								4.0	7.8
NNW	1.7	4.7	2.0									8.7	5.2
VARBL													
CALM												5.7	
	10.3	36.0	41.3	6.3	.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 320

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93841 WHITING FIELD, FL STATION NAME 73-52 YEARS JUN  
ALL WEATHER MONTH 19  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	5.3	1.3	.3								10.7	4.7
NNE	.7	2.0	.3	.3								3.0	6.0
NE	.7	1.7	.3									2.7	4.3
ENE	.7	1.3										1.7	4.0
E	1.0	1.3	.7									3.0	4.4
ESE	.7	1.0										1.7	3.4
SE		1.3	.7									2.0	6.2
SSE	.7	2.7	.3	.3								5.0	5.1
S	3.0	4.7	6.7	.7								20.0	5.7
SSW	2.3	2.7	6.7									16.7	5.4
SW	1.0	2.7	2.7									6.3	5.6
WSW	1.7	3.0	1.7									6.3	5.0
W	1.7	3.0	1.3									6.0	4.9
WNW		2.0	.7									2.7	5.9
NW		.7	.3									.7	6.0
NNW	1.0	3.0	.3									4.3	4.6
VARBL													
CALM												7.3	
	18.0	51.0	22.0	1.7								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01891 WHITING FIELD, FL STATION NAME 73-82 YEARS JUN MONTH 21 HOURS (LST) 21

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	.2									7.7	3.1
NNE	2.3	1.0										3.3	3.1
NE	1.3	1.3										2.7	3.0
NNE	1.3	.7										2.0	3.5
E	1.3	.7										1.7	3.2
ESE	2.0	.7										2.7	2.3
SE	.7	2.3										2.7	4.1
SSE	.7	2.7	.3									5.4	3.7
S	4.7	3.7										8.4	3.4
SSW	5.0	2.7	.3									9.0	3.2
SW	3.3	1.7	.3									5.4	3.3
WSW	1.7	2.0										5.7	3.1
W	4.3	2.3										6.7	3.3
WNW	.7	.3										1.0	2.7
NW	1.3	.3	.7									2.3	4.4
NNW	2.7	1.3	.7	.7								4.7	3.9
VARBL													
CALM												28.4	
	42.8	25.4	2.7	.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27-41 AMTICO FIELD, FL STATION NAME 77-8 YEARS JUN  
MONTH ALL  
CLASS ALL  
HOURS (L.S.T.) ALL  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.5	4.5	1.7	.2								10.5	4.3
NNE	1.5	1.5	.5	.1								3.8	4.5
NE	1.1	1.3	.7	.1								2.9	4.4
NNE	1.4	1.5	.5	.1	.0							3.5	4.7
E	1.2	1.5	.5	.1								3.8	4.1
ESE	1.4	1.0	.3									2.6	3.6
SE	1.0	1.2	.5	.0								2.6	4.6
SSE	.5	1.5	.5	.0								3.0	4.7
S	1.8	3.6	2.3	.4								9.0	5.9
SSW	1.0	3.2	2.5	.3								7.8	5.6
SW	1.5	1.0	1.0	.1								4.6	4.8
WSW	2.0	1.9	1.1	.2								5.2	4.8
W	3.1	2.6	1.0	.0								6.9	4.1
WNW	1.0	1.3	.4	.0								2.7	4.6
NW	1.0	1.3	.6	.0								2.9	4.8
NNW	2.2	2.1	.5	.1								5.2	4.3
VARBL													
CALM												23.3	
	24.0	31.8	14.9	1.9	.2							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 2508

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97841 WHITING FIELD, FL STATION NAME 73-42 YEARS JUL MONTH 00 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.5										4.7	2.9
NNE	1.0	.4										2.3	3.0
NE	1.9	1.0										2.9	3.1
ENE	.4											.6	2.0
E	1.6	1.7	.3									2.9	3.4
ESE	2.0	.4	.5									4.2	3.6
SE	1.7											1.3	2.3
SSE	.3	.6										1.7	4.7
S	2.6	.5										3.2	2.9
SSW	1.6	.6										2.3	2.6
SW	2.6	1.3										3.6	2.9
WSW	4.2	2.3										6.5	3.2
W	3.9	2.6										6.5	3.6
WNW	3.6	.6										4.2	2.5
NW	1.3	.3	.3									1.3	3.3
NNW	1.9	.3										2.3	2.9
VARBL													
CALM												49.5	
	35.1	13.9	1.3									100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 13-82 YEAR JUL  
MONTH 03  
HOURS (LST) 03  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	1.5										5.7	2.7
NNE	1.7	.3										1.9	2.8
NE	2.2											2.9	2.9
ENE	1.7	1.0										2.3	2.7
E	3.2	1.6	.6									5.5	3.6
ESE	1.6	.3										1.9	1.8
SE	1.9	.3										2.3	2.1
SSE			.3	.3								.6	2.5
S	.3											.3	1.0
SSW	1.7	.6										1.9	2.5
SW	1.9											1.9	2.3
WSW	1.3	1.3										2.6	1.6
W	1.9	3.5	.3									7.7	3.8
WNW	2.6	.3										3.2	2.5
NW	2.9	1.0										3.9	2.6
NNW	1.2	.3										3.5	2.5
VARBL													
CALM												51.6	
	34.5	12.3	1.3	.3								100.6	1.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 47241 WHITING FIELD, FL STATION NAME 73-72 YEARS JUL  
MONTH 05  
HOURS (LST) 05  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.3										9.0	2.8
NNE	2.2	.3										4.2	2.6
NE	2.5	1.6										4.2	2.9
NNE	3.5	1.9										5.5	2.6
E	1.0	2.6	.7									3.9	4.2
ESE	1.9	1.0										2.9	3.1
SE	1.3	.3										1.6	3.2
SSE	.7											.3	3.0
S			.7									.7	6.0
SSW	1.0											1.0	1.3
SW	1.0	.3										1.3	2.5
WSW	1.0	1.3										2.9	3.3
W	1.0	2.3	.6									6.5	3.5
WNW	2.5	1.0										3.5	2.8
NW	2.6	1.6										4.2	3.1
NNW	1.2	1.6										4.2	3.2
VARB													
CALM												93.9	
	32.1	17.7	1.3									100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-02 YEARS JUL  
MONTH 79  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	4.5	.6									10.2	4.0
NNE	2.5	1.3	1.7									4.5	3.8
NE	2.3	1.9	.3									4.5	3.6
NNE	1.2	.5	.3									2.0	3.5
E	3.5	3.2	1.5									8.4	4.2
ESE	2.2	1.2	.3									5.2	3.9
SE	1.2	1.2	.3									3.2	3.5
SSE	.6	.5										1.3	3.2
S	1.2	2.3	1.2	.3								4.5	5.9
SSW	1.2	1.5	.3									3.2	4.2
SW	1.3	1.3	.3									2.6	3.9
WSW	1.2	1.3	1.3									5.5	4.1
W	2.2	3.2	1.3									7.4	4.4
WNW	2.5	4.2	.6									7.4	4.2
NW	1.5	4.3	1.3									6.1	4.6
NNW	2.3	3.2	2.3				.3					8.7	6.2
VARBL													
CALM												11.6	
	36.5	38.4	12.4	.3			.3					100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7541 STATION NAME WHITING FIELD, FL YEARS 73-72 MONTH JUL  
CLASS ALL WEATHER HOURS (L S T) 12  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.0	1.0									7.7	4.8
NNE	1.0	3.0	.5									5.2	4.7
NE	1.0	.5	.2	.3								2.0	4.4
ENE	1.0	3.0	.6									5.2	4.6
E	1.0	3.5	1.0									7.1	5.1
ESE		2.3	1.0									3.2	5.9
SE	1.0	1.0	1.0									4.2	4.9
SSE	1.0	1.0	2.3	.3								6.1	6.1
S	1.0	4.2	1.0	.5								7.7	5.0
SSW	1.0	3.0	.3	1.0								5.5	6.1
SW	2.3	2.5	1.0									5.8	4.7
WSW	.0	2.3	1.0	.5								4.8	6.7
W	1.0	3.5	.3									5.8	4.3
WNW	1.0	1.0	.0									3.0	4.5
NW	1.0	3.7	.7									5.3	4.4
NNW	4.0	3.0	1.0									10.0	4.6
VARIABLE													
CALM												9.7	
	25.5	46.1	15.0	2.9								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITMAN FIELD, FL STATION NAME 73-62 YEARS JUL  
ALL WEATHER MONTH 15  
 CLASS 15  
 HOURS (L & T)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.0	.3								3.0	6.0
NNE	1.7	.5	1.3									2.2	5.2
NE	.7	1.3	.3									1.9	5.3
ENE	.3	.6	.5									1.5	5.4
E	1.6	1.3	.3									3.0	4.2
ESE	.5	1.3	.3									2.3	4.9
SE	1.0	2.3	1.0									4.2	5.1
SSE	.6	4.2	1.0	.3								7.1	6.0
S	1.7	3.1	10.3	1.6								21.0	7.2
SSW	.1	5.5	3.2	1.0	.3							16.1	7.0
SW		1.3	2.3	.6								5.2	7.5
WSW	1.7	2.3	1.0									4.5	5.1
W	1.6	2.2	1.6									6.5	5.6
WNW	1.0	2.9	1.3									5.2	4.9
NW	.1	1.0	2.6									4.5	6.1
NNW	.9	2.3	1.7	.3								4.5	5.7
VARBL													
CALM												4.5	
	15.2	41.0	35.1	4.2	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 110

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97941 STATION 010100 FL 73-87 YEARS JUL NORTH 14 HOURS (LST)

ALL WEATHERED

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	1.0									5.2	4.9
NNE	1.0	0.0										1.0	2.6
NE	0.0	0.3	0.3									1.0	5.0
ENE	0.3	0.6										1.0	3.7
E	2.3	1.6	0.6									4.5	4.1
ESE	1.0	1.0	0.3									2.6	4.0
SE	0.0	1.0	0.0	0.3								3.6	5.6
SSE	1.0	3.2	0.3									5.2	4.4
S	4.2	11.0	3.5									18.7	4.9
SSW	1.0	7.1	3.4									12.5	5.4
SW	1.0	0.4	1.6	0.3								4.7	5.3
WSW	1.0	3.2	1.6	0.3								6.4	5.3
W	1.0	3.5	1.6									6.5	4.8
WNW	1.0	0.3	0.6	0.6								2.9	6.7
NW	1.0	2.3	0.6									3.9	5.1
NNW	1.0	2.3	0.3									4.5	4.0
VARB													
CALM												10.0	
	22.6	47.0	15.5	1.9								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-01 YEARS 1961 MONTH 11  
CLASS ALL WEATHER  
HOURS (LST) 24  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	1.0									3.3	1.2
NNE	1.0	1.0										1.0	1.0
NE	1.0											2.0	1.0
ENE	1.0	1.0										1.0	1.2
E	2.0	1.0	1.0									4.0	1.0
ESE	1.0	1.0										1.0	1.0
SE	1.0	1.0										2.0	1.0
SSE	1.0	1.0										1.0	1.0
S	1.0	2.0										3.0	1.0
SSW	1.0	2.0	1.0									3.0	1.0
SW	1.0	2.0	1.0									3.0	1.0
WSW	1.0	1.0	1.0									3.0	1.0
W	1.0	1.0	1.0									3.0	1.0
WNW	1.0	1.0	1.0									3.0	1.0
NW	1.0	1.0										2.0	1.0
NNW	1.0	1.0										2.0	1.0
VARBL													
CALM												27.1	
	4.0	2.0	2.0									10.0	1.0

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL 73-92 JUL  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.3	.6	.7								6.1	3.6
NNE	1.2	1.0	.4									3.1	3.7
NE	1.2	.5	.2	.7								2.6	3.4
ENE	1.3	1.1	.7									2.5	3.6
E	2.7	2.1	.8									5.1	4.2
ESE	1.5	1.2	.7									3.0	3.9
SE	1.0	1.0	.4	.0								2.3	4.7
SSE	.7	1.5	.6	.1								2.9	5.3
S	2.7	3.4	2.7	.3								7.9	5.4
SSW	1.7	2.7	1.7	.2	.0							6.5	5.4
SW	2.1	2.1	.7	.1								4.5	4.8
WSW	2.1	2.2	.7	.1								5.0	4.8
W	2.1	3.3	.7									7.2	4.1
WNW	2.0	1.7	.5	.1								4.2	4.0
NW	1.2	1.2	.4									4.1	4.3
NNW	2.5	2.0	.7	.1			.7					5.7	4.3
VARBL													
CALM												26.0	
	11.1	20.4	11.2	1.2	.0		.1					170.0	3.2

TOTAL NUMBER OF OBSERVATIONS 7479

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-92 YEARS AUG  
 CLASS ALL WEATHERS MONTH 00  
 CONDITION MOON (L E Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.0										9.0	2.3
NNE	3.2	.3										3.5	2.3
NE	2.9	1.3	.3									4.5	3.1
ENE	2.6	2.3	.3									5.2	3.6
E	5.0	1.3										6.3	2.6
ESE	1.3	.5										2.5	2.5
SE	1.3											1.3	2.5
SSE		.2										.2	5.0
S	1.0											1.0	2.3
SSW	1.0	.2										1.2	3.0
SW	1.0	.3	.2									3.5	2.6
WSW	1.0											1.1	2.0
W	3.4	1.0										5.5	2.6
WNW	1.4											1.6	2.2
NW	.2	.5										1.0	4.0
NNW	2.2	1.0										4.2	2.5
VARBL													
CALM												47.7	
	46.7	11.0	1.0									100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-82 YEARS 1973-82 MONTH 08  
CLASS ALL WEATHER MONTH (L & Y) 08  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.1	2.6										9.7	2.4
NNE	5.2	1.3										6.5	2.5
NE	5.5	1.6										7.1	2.7
NNE	1.3	2.6										3.9	3.7
E	3.0	1.3										5.2	2.8
ESE	1.3	1.3										2.6	3.6
SE	0.0	0.3	0.7									1.0	5.0
SSE	0.0											0.6	2.0
S	0.0		0.7									1.0	3.7
SSW	0.0	0.3										0.6	3.5
SW	1.3											1.0	2.7
WSW	1.3											1.0	2.3
W	1.3	0.3										1.3	2.3
WNW	1.3											1.3	2.3
NW	1.3	0.3										1.3	2.6
NNW	2.6	0.6										3.0	2.2
VARB													
CALM												52.6	
	34.2	12.6	0.6									100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07141 WILLIAMS FIELD, FL STATION NAME 73-82 YEARS AUG  
ALL WEATHER MONTH 08  
 CLASS 08  
 CONDITION 08  
 HOURS (LST) 08

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	2.3										9.6	2.7
NNE	3.5	1.3										4.8	2.6
NE	2.1	2.3										6.4	2.9
ENE	4.2	1.0										6.1	2.7
E	3.2	1.3	.6									9.0	3.5
ESE	1.7	.3										2.3	2.3
SE													
SSE	.6	.6										1.3	3.0
S	.7	1.0	.3									1.6	4.4
SSW	.6											.6	2.5
SW		.7										.3	4.0
WSW	.3	.6										1.0	3.7
W	.6	1.0										1.6	3.0
WNW	1.0	.3										1.3	2.5
NW	.6	.6										1.3	.3
NNW	3.5	.3										4.0	2.2
VARBL													
CALM												47.1	
	35.3	16.1	1.7									100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 510

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-07 YEARS 1954 MONTH 19  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.2										6.5	3.4
NNE	4.4	1.6	.3									6.3	3.1
NE	2.3	3.0	.3									6.5	4.2
ENE	2.3	1.2	.6									4.8	4.1
E	6.5	7.4	1.3									15.2	3.0
ESE	1.2	3.5	.7									5.4	4.0
SE	7.7	2.6	.7									5.2	3.8
SSE	1.2	2.9										4.6	3.5
S	1.7	1.3	.7									2.0	4.1
SSW	.6	1.2										1.5	3.4
SW	.6	1.5										1.5	4.4
WSW	1.5	1.3		.3								3.2	4.3
W	3.2	2.3										5.5	3.4
WNW	1.2	2.6										3.5	4.2
NW	2.3	2.9	.3									5.5	3.7
NNW	2.9	2.6	.7									5.8	3.6
VARBL													
CALM												15.5	
	36.7	41.3	4.2	.3								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22541 WHITING FIELD, FL STATION NAME 18-32 YEARS 1950 MONTH 12  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.6	.4									7.4	4.3
NNE	.7	1.9		.3								2.9	5.2
NE	3.9	2.6	.5									7.1	3.7
NNE	1.5	3.2	1.3									6.1	4.5
E	2.0	3.2	2.3									6.5	4.7
ESE	.9	2.2	1.3									5.2	5.5
SE	1.0	1.0	2.3									5.2	5.8
SSE	1.0	3.2	1.5									6.5	5.0
S	1.0	4.2	2.6	.3								4.0	5.5
SSW	1.3	1.3	1.0									3.5	5.1
SW	.5	1.0	.6	.3								2.3	4.0
WSW	.7	2.2	.3	.3								4.2	5.2
W	1.9	2.6	.3									4.0	3.8
WNW	1.3	1.7	.6									3.0	4.3
NW	1.5	3.2	.6									5.7	4.2
NNW	2.0	4.4	1.0									8.7	4.2
VARIABLE													
CALM												8.4	
	27.7	45.5	17.1	1.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07341 WHITING FIELD, FL STATION NAME 73-20 YEARS MONTH 15  
ALL WEATHER CLASS HOURS (LST) 15  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.2	.3									7.4	4.2
NNE	.6	2.5	.6									3.9	5.3
NE	.6	1.2										1.9	3.7
NNE	1.6	3.2	.6	.3								5.6	4.9
E	1.7	2.0	1.6									5.5	5.2
ESE	1.7	1.6	.6	.3								3.5	5.0
SE	1.7	2.3	1.6									4.8	5.7
SSE	.6	2.3	3.2	.3								6.5	6.6
S	3.2	3.1	7.7	.6								19.7	5.9
SSW	1.6	2.9	4.2	.3								9.7	6.2
SW	.6	2.9	1.9									5.5	6.9
WSW		2.4	.3									2.7	4.0
W	2.6	2.9	.6	.6								6.6	4.9
WNW	1.2	1.6										2.9	3.6
NW	1.3	2.2	.6									4.5	4.6
NNW	2.6	1.6	.3									4.5	3.4
VARB													
CALM													
	21.7	46.1	24.5	2.6								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3341 WHITING FIELD, FL 73-02 73-02  
STATION NAME YEARS  
CLASS ALL WEATHER  
MONTH 19  
HOURS (LST) 19  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6										4.2	3.5
NNE	1.6	1.6										2.0	2.5
NE	1.6	.3	.2									2.6	2.8
ENE	1.6	3.2	.4									7.4	3.8
E	2.3	3.2	.7									5.8	4.1
ESE	2.3	1.6										3.2	2.6
SE	2.3	1.6	.7									3.5	3.5
SSE	1.6	1.6	.7									3.4	4.1
S	3.2	11.6	1.6									15.8	4.6
SSW	2.3	8.4	2.6									13.5	5.0
SW	1.6	4.3	.3									6.1	4.4
WSW	2.3	1.6										4.2	3.6
W	3.2	1.6										5.2	3.4
WNW	1.6	.3	.3									2.3	3.0
NW	1.6	.4	.3									2.6	3.6
NNW	2.3	1.6	.6									4.5	4.2
VARBL													
CALM												12.0	
	34.2	45.5	7.4									100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 510

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07641 WHITING FIELD, FL 72-72 ALL WEATHER 21  
STATION NAME CLASS MONTH HOURS (LST)  
YEARS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.1	1.0										7.1	2.5
NNE	3.0	1.0										4.0	2.0
NE	3.0	1.0	.7									4.7	3.4
ENE	1.0	.6										2.5	2.1
E	6.5	1.0										7.5	2.7
ESE	7.2	.7	.3									3.2	2.4
SE	1.0	.3	.7									1.9	3.0
SSE	.0	.6	.7									1.6	4.2
S	2.6	1.3										3.9	3.0
SSW	3.0	.6										3.6	2.8
SW	3.0	1.0										4.0	2.6
WSW	2.0	1.0		.7								5.2	3.8
W	2.7					.7						2.6	4.5
WNW	1.3											1.3	2.0
NW		.3										.7	5.0
NNW	2.0	.3										3.2	2.3
VARIABLE													
CALM												40.0	
	42.5	12.5	1.7	.7		.7						120.0	1.8

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MTTTS FIELD, FL STATION NAME 73-02 YEAR 1962 MONTH ALL

CLASS ALL WEATHER

CONDITION

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.4	0.1									7.5	3.1
NNE	0.0	1.3	0.1	0.0								4.4	3.3
NE	0.3	1.8	0.2									5.4	3.3
ENE	2.4	2.4	0.4	0.0								5.2	3.7
E	4.0	3.1	0.2									6.1	3.7
ESE	1.7	1.5	0.7	0.0								3.8	3.7
SE	1.2	1.3	0.4									2.9	4.5
SSE	1.0	1.2	0.6	0.0								3.1	4.8
S	1.5	3.4	1.6	0.1								6.9	5.0
SSW	1.7	1.7	1.0	0.0								4.2	4.9
SW	1.7	1.4	0.9	0.0								3.1	4.2
WSW	0.2	1.4	0.1	0.1								2.6	4.1
W	0.2	1.6	0.1	0.1		0.0						4.2	3.9
WNW	1.2	0.0	0.1									2.3	3.4
NW	1.1	1.4	0.0									2.7	4.0
NNW	2.0	1.5	0.3									4.8	3.2
VARBL													
CALM												28.6	
	14.0	28.8	7.1	0.6		0.0						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 2480

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WITTING FIELD, FL STATION NAME WITTING FIELD, FL YEARS 1940 MONTH SEP  
CLASS ALL WEATHER HOURS (L S Y) 00  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.3	.7	.3								13.7	3.5
NNE	2.3	2.7	.7									5.7	4.0
NE	2.3	2.7	.7									6.7	3.6
ENE	2.7	2.7										7.7	4.4
E	2.7	2.7	1.0									10.3	3.5
ESE	.7	.7										1.7	3.5
SE	1.7	.7										2.3	2.7
SSE	.7	.3					.7					1.0	12.3
S	.7	.3										.7	3.0
SSW	.7	.7	.7									1.3	5.0
SW	.7											.3	2.0
WSW	1.7	1.0										2.7	3.1
W	1.3											1.3	2.3
WNW	.7											.7	2.5
NW	1.3	.7	.3									2.3	3.0
NNW	4.3	2.7										6.7	3.4
VARS													
CALM												34.7	
	17.2	24.3	2.3	.3			.3					100.7	2.4

TOTAL NUMBER OF OBSERVATIONS 320

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WATKINS FIELD, FL 75-80 YEARS SEP  
CLASS ALL WEATHER  
COMBINATION 03  
MOVES (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	5.7	2.7									18.7	3.8
NNE	1.7	2.7	1.7									8.0	2.4
NE	2.3	3.7	1.7									8.0	4.7
ENE	4.3	4.7	1.7									8.3	4.2
E	2.3	6.7	1.7									10.0	4.2
ESE	1.7	1.7	1.3									1.7	4.4
SE	1.7	1.7										1.7	3.5
SSE	1.7											1.7	2.0
S	1.7	1.7			1.7							1.3	6.0
SSW			1.7									1.3	7.0
SW		1.7										1.3	4.2
WSW	1.7		1.7									1.7	3.2
W	2.3											3.7	2.3
WNW	1.7											1.7	2.0
NW	2.7	1.7	1.3									3.3	1.1
NNW	2.3	1.7										3.7	2.9
VARB													
CALM												73.0	
	35.7	25.0	6.0		1.3							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17541 WHITING FIELD, FL STATION NAME 33-02 YEARS SEP  
MONTH 06  
HOURS 11 57  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	2.7	0.7									15.3	3.4
NNE	5.7	2.3	0.7									9.7	3.3
NE	11.3	3.7	1.7									16.7	4.1
ENE	3.3	2.3	1.7									13.7	4.2
E	2.3	1.7	0.7									7.0	4.0
ESE	1.7	0.7	0.7									2.7	3.6
SE	1.7	0.7										1.3	2.6
SSE		0.7										0.7	1.7
S	1.7	0.7			0.7							1.7	1.6
SSW	0.7		0.7									0.7	1.7
SW	0.7	0.7										1.7	3.7
WSW	0.7											0.7	2.7
W	0.7	0.7	0.7									1.7	4.0
WNW	0.7	0.7										1.7	3.3
NW	1.7	1.7										3.7	3.3
NNW	0.7	1.7				0.7						4.7	5.1
VARBL													
CALM												76.1	
	31.0	20.3	7.7		0.7	0.7						100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 170

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS FIELD, FL STATION NAME WATKINS FIELD YEARS 1977-81 MONTH NOV  
CLASS ALL WEATHER HOURS (L S T) 000  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	0.7	1.7	0.7								1.7	4.7
NNE	0.7	1.7	2.7									0.7	4.7
NE	0.7	2.7	2.7									0.7	5.7
ENE	0.7	0.7	1.7	0.7								1.7	7.7
E	0.7	10.7	1.7	0.7								10.7	4.7
ESE	0.7	1.7	0.7	0.7								0.7	7.7
SE	0.7	1.7	1.7									0.7	4.7
SSE	0.7	1.7	1.7									0.7	5.7
S	0.7	0.7										1.7	3.7
SSW	0.7	1.7	0.7	0.7								0.7	4.7
SW		0.7	0.7									0.7	4.7
WSW		1.7										1.7	4.7
W	0.7	0.7	0.7									1.7	5.7
WNW	0.7	0.7	0.7		0.7							0.7	5.7
NW	0.7	0.7										0.7	7.7
NNW	0.7	0.7	1.7									0.7	4.7
VARBL													
CALM													
	11.7	24.7	20.7	1.7	0.7							11.7	4.7

TOTAL NUMBER OF OBSERVATIONS 710

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 13-82 YEARS SEP  
 CLASS ALL WEATHER MONTH 10  
 CONDITION HOURLY (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	4.7	1.7								11.7	6.3
NNE	1.7	2.3	1.7	.7								5.7	5.6
NE	2.3	3.3	1.7	.7								7.7	5.4
ENE	1.7	3.7	2.3	.7								10.3	5.1
E	2.7	5.7	1.7	.7								10.7	5.3
ESE	1.7	3.3	1.7									6.0	4.9
SE	.7	2.3	1.7	.7								5.0	5.6
SSE	1.7	2.3	1.3	.3								5.7	5.3
S	1.7	3.0	2.0									7.0	5.5
SSW	1.7	1.7	1.3	.7	.3							4.7	7.0
SW	.7	.7	1.3	.3								2.7	5.6
WSW		1.7	.7	.3								2.0	5.4
W	1.7	2.3	.7									4.0	4.8
WNW	1.7	1.0	2.0									4.0	5.3
NW	.7	.7	.7									1.7	5.6
NNW	1.7	3.7	2.7									7.7	5.3
VARBL													
CALM												4.0	
	23.7	40.3	26.7	5.3	.3							170.7	5.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01491 MEETING FIELD, FL STATION NAME 23-32 YEARS SEP  
MONTH 15  
UNDES 11.5 V.  
ALL WEATHER  
CLAS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	5.7	5.7	0.3								14.0	6.0
NNE	1.0	3.3	1.7									6.0	6.3
NE	0.7	2.3	3.0	0.3								6.3	6.9
ENE	0.7	3.7	1.3	0.3								6.0	5.4
E	2.7	3.3	2.7									8.0	4.8
ESE	0.7	0.7	1.7									2.7	5.9
SE	0.7	1.3	1.7									3.7	5.9
SSE	0.7	0.3	0.7		0.3							4.7	5.9
S	1.0	3.7	4.3	0.7	0.3							12.0	7.3
SSW		0.7	4.3	0.7								9.7	7.3
SW		1.0	2.3	0.3								4.0	7.6
WSW	0.7	0.7	1.0	0.3								2.7	6.8
W	1.0	1.7	0.7									3.7	4.8
WNW	1.0	1.7	0.7	0.3								3.3	4.2
NW	1.0	1.7	0.7	0.3								3.7	5.2
NNW	1.0	2.3	1.0									5.7	4.8
VARBL													
CALM												4.0	
	14.0	41.7	34.0	1.7	0.7							120.0	5.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 72-02 YEARS SEP  
ALL WEATHER NORTH 15  
 CLASS 15  
 HOURS (LST) 15  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	5.0	.7	.3								12.3	4.0
NNE	4.3	1.7										6.0	7.3
NE	2.7	1.7	1.7									6.0	4.0
ENE	1.7	1.3	.3									3.3	3.6
E	.7	4.7	1.7		.3							6.0	5.7
ESE	2.7	1.7		.7								4.3	5.0
SE	2.3	.7										3.0	3.3
SSE	.7	.7										1.3	3.0
S	3.0	2.7	1.0									12.7	4.0
SSW	1.7	4.7	.7				.3					6.7	5.7
SW	1.7	4.3	1.3									7.3	4.0
WSW	1.7	2.3	.7									4.0	4.0
W	2.0	.7	.7									4.0	3.0
WNW	1.0	1.0										2.0	3.2
NW	1.7	1.0	.7									2.7	4.1
NNW	4.7	1.7	.3	.7								6.3	3.0
VARBL													
CALM												12.0	
	35.3	43.7	7.7	1.3	.7		.3					100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MYTING FIELD, FL STATION NAME 77-82 YEARS SEP  
MONTH 21  
HOURS (L.S.T.)

ALL WEATHER  
CLASS  
OBSERVATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	1.3									11.7	3.3
NNE	1.7	2.3	1.3									6.3	4.0
NR	2.7	1.3										3.7	3.2
ENE	1.7	4.7	1.3									8.7	4.1
E	2.7	2.3	1.7									5.7	4.0
ESE	1.7	1.3	1.3		1.7							4.0	5.1
SE	1.3	1.7										2.0	5.3
SSE	1.7	1.3										1.7	3.0
S	1.3	1.3										1.7	2.4
SSW	1.7	1.7										1.3	3.6
SW	1.7	1.3										1.3	2.4
WSW	2.7	1.3										3.0	2.7
W	1.7	1.7										6.3	2.7
WNW	1.7	1.3										1.0	3.0
NW	2.3	1.3										3.3	3.0
NNW	1.3	2.3	1.3									5.7	3.9
VARBL													
CALM												13.7	
	30.7	22.1	1.7		1.3							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11441 WHITING FIELD, FL STATION NAME 73-92 YEARS 1950  
CLASS ALL WEATHER ALL  
CONDITION NOV 55

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.7	5.5	1.0	.3								13.4	4.3
NNE	2.2	2.4	1.7	.1								6.4	4.1
NE	2.2	2.6	1.7	.1								6.6	4.6
ENE	2.7	4.5	1.5	.2								8.9	4.7
E	3.5	4.7	1.5	.1	.2							9.9	4.6
ESE	1.5	1.2	.5	.1	.2							3.7	4.9
SE	1.5	1.0	.5	.5	.2							2.9	4.7
SSE	.7	1.1	.6	.5	.2		.2					2.2	5.4
S	1.1	2.2	1.3	.1	.1		.2					4.0	5.5
SSW	.5	1.4	1.0	.2	.2		.2					3.4	6.3
SW	.5	1.0	.7	.1								2.2	5.4
WSW	1.2	.5	.2	.1								2.7	4.4
W	2.2	.2	.2									3.5	3.5
WNW	.2	.5	.4	.7	.2							1.5	4.6
NW	1.5	.2	.2	.2								2.9	3.5
NNW	2.9	2.2	.6	.7		.2						5.7	4.3
VARBL													
CALM												19.2	
	32.0	32.1	13.7	1.5	.3	.2	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME WHITING FIELD, FL YEARS 73-80 OCT MONTH 00  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.5	0.0	2.3									17.7	4.3
NNE	0.0	1.2	1.0									7.1	4.7
NE	1.0	3.5	.7									5.0	3.9
ENE	1.3	1.6										3.0	3.2
E	1.2	3.2	.7									6.0	3.7
ESE	1.0	1.0										2.9	3.0
SE	1.0											1.3	2.0
SSE	.0	.0										.0	2.5
S	1.0			.0								1.0	6.6
SSW	.0											.0	2.0
SW	.7											.7	3.0
WSW	1.0	.3										1.3	3.8
W	1.3	1.3										2.6	3.0
WNW	1.0	.3										1.3	3.0
NW	1.0	1.0	.3									2.0	4.0
NNW	4.0	6.1	.0	.3								11.0	4.1
VARBL													
CALM												31.0	
	31.3	31.0	4.3	1.0								10.0	2.7

TOTAL NUMBER OF OBSERVATIONS 117

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: WHITING FIELD, FL STATION NAME: WHITING FIELD, FL YEARS: 73-74 MONTH: 06  
STATION: WHITING FIELD, FL STATION NAME: WHITING FIELD, FL YEARS: 73-74 MONTH: 06  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.0	1.0	1.0	0.0								10.0	4.2
NNE	0.0	1.0	1.0									10.0	4.1
NE	0.0	1.0	1.0									10.0	3.0
ENE	0.0	1.0	1.0									10.0	3.8
E	0.0	1.0	1.0									10.0	4.1
ESE	0.0	1.0	1.0									10.0	3.3
SE	0.0	1.0	1.0									10.0	3.0
SSE	0.0	1.0	1.0									10.0	2.0
S	0.0	1.0	1.0									10.0	4.0
SSW	0.0	1.0	1.0									10.0	4.0
SW	0.0	1.0	1.0									10.0	2.0
WSW	0.0	1.0	1.0									10.0	3.0
W	0.0	1.0	1.0									10.0	2.0
WNW	0.0	1.0	1.0									10.0	2.7
NW	0.0	1.0	1.0									10.0	3.3
NNW	0.0	1.0	1.0									10.0	4.3
VARB.													
CALM												77.1	
	34.0	29.7	9.7	0.3								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-22 YEARS 067  
ALL WEATHER NORTH 06  
 CLASS 06  
 HOURS (LST) 06  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	11.6	10.3	3.5	.6								26.1	4.3
NNE	7.6	2.5	1.7									7.4	3.7
NE	3.2	4.5	.2									8.7	3.6
ENE	2.6	3.4	.3									6.5	4.1
E	2.2	5.2	1.7									9.0	4.4
ESE	.5	1.6	1.7									3.2	3.0
SE	.7											.3	2.0
SSE		.7										.3	6.0
S													
SSW		.6										.6	4.5
SW													
WSW	.7	.3	.3									1.0	4.7
W	1.0	.3										1.3	3.5
WNW		.6										.6	3.0
NW	1.0	1.0	.2									3.2	3.7
NNW	4.3	2.6		.6								8.1	4.1
VARBL													
CALM												23.6	
	33.2	33.5	7.7	1.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 317

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 33-42 YEARS 06  
 CLASS ALL WEATHER MONTH 09  
 CONDITION 09 HOURS (LST) 09

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.0	5.0	1.3								11.0	7.1
NNE	2.3	7.1	2.4	.6								12.0	5.7
NE	2.3	2.0	1.0	.2								9.0	5.4
NNE	1.0	4.0	1.0									8.7	5.1
E	4.0	8.7	5.0	.3								18.7	5.7
ESE	2.3	5.0	2.3									17.3	5.1
SE	.0	1.0	2.0	.3								5.0	5.3
SSE	.0	.0	1.0	.3								1.0	7.7
S	.0	1.0										1.0	3.3
SSW	.0	.0	.0									1.0	4.0
SW		.0										.0	4.0
WSW		.0	1.0	.3								1.0	7.2
W	.0	.0	.0									1.0	5.2
WNW	.0		1.0									1.0	6.8
NW	.0	1.0	.0									2.0	5.4
NNW	1.0	1.0	2.0	.0								6.1	6.8
VARBL													
CALM												3.0	
	12.4	41.9	30.6	4.2								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PHILIP FIELD, FL STATION NAME 73-02 YEARS 05Y  
CLASS ALL - FAIR MONTH 12  
CONDITION 12  
HOURS (L S Y) 12

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.5	5.2	1.3	.3							14.5	7.2
NNE	1.7	1.7	4.2	.3								10.3	5.6
NE	.7	2.5	4.2									7.1	4.7
NNE	.7	3.2	1.5		.7							5.5	7.0
E	1.7	4.5	2.2									9.4	5.2
ESE	1.7	3.5	2.2									7.7	5.3
SE	1.7	1.7	2.3	1.7								6.5	6.8
SSE	1.7	2.2	2.2	.6								7.4	5.7
S	.7	1.2	1.2		.3							3.5	7.4
SSW	1.7	1.7	.6	.6								3.2	6.0
SW	.7	.6	.7	.3								1.6	7.6
WSW		.7	1.2									1.6	5.6
W	.7	1.7	.6	.3								2.7	5.2
WNW		1.7	.6	.3								2.3	5.9
NW	.7	.6	1.7									2.3	7.0
NNW	1.7	3.5	3.2	1.7								9.4	5.9
VARIABLE													
CALM												4.5	
	1.7	37.4	34.6	5.8	1.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-02 YEARS 1961 MONTH 15  
CLASS ALL WEATHER HOUR (LST) 15  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	7.7	9.7	2.3	.3							20.4	7.5
NNE	1.0	4.0	2.0	1.0								7.4	5.9
NE	2.3	4.0	.7	.7								7.7	4.7
ENE	1.0	2.3	1.0									4.5	5.4
E	1.0	2.3	.7	.3								4.0	4.9
ESE	.7	2.3	.3									3.2	4.8
SE		2.3	3.0	.3								5.4	7.2
SSE	.7	1.3	3.0	.6	.3							5.4	5.7
S	1.0	2.0	4.0	1.3								9.4	7.7
SSW	.7	1.0	2.0	.3								4.4	7.1
SW		.7	.7									.6	7.0
WSW	.7	.3	.7	.3								1.7	5.3
W	1.0	1.0	1.0	.3								3.0	6.0
WNW	.7	1.0	1.0									2.3	5.0
NW	.7	1.0	.7									1.0	5.0
NNW	1.0	2.3	5.0	1.3								10.0	7.4
VARBL													
CALM												3.0	
	13.5	37.4	36.1	8.4	.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, NC YEARS 77-80 MONTH ALL  
STATION NAME WHITING FIELD, NC CLASS ALL WEATHER  
CONDITION ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	2.7	1.9	1.9								13.4	4.6
NNE	5.2	2.3	1.4	1.3								8.4	3.6
NE	3.2	1.0										5.8	3.3
ENE	1.7	1.0	1.3									2.0	3.6
E	1.5	1.0	1.7									3.5	3.8
ESE	1.5	1.0										2.5	3.3
SE	1.5	2.3										3.5	3.8
SSE	1.0	1.0										2.5	3.4
S	3.5	4.1	1.3									10.0	3.7
SSW	3.5	2.2										6.4	3.5
SW	3.5	1.7	1.5									5.0	3.3
WSW	2.6											2.4	2.3
W	1.5											1.5	1.5
WNW	1.0	1.5	1.7									1.5	4.3
NW	3.2	2.3	1.6									6.1	3.7
NNW	1.5	1.7					1.0					11.7	4.0
VARBL													
CALM												12.3	
	43.2	39.7	1.2	1.9			1.0					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 510

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1964-1965 MONTH ALL MONTHS  
CLASS ALL WEATHER  
CONDITION ALL  
HOURS 12

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	1.7									17.1	4.0
NNE	2.4	2.4	1.7									5.5	7.9
N E	1.7	1.7										3.4	1.7
ENE	1.7	1.7		1.7								5.5	3.4
E	2.4	2.4	1.7									5.5	4.0
ESE	1.7	1.7	1.7									5.5	2.4
SE	1.7	1.7										3.4	4.0
SSE	1.7	1.7										3.4	2.4
S	1.7	1.7		1.7								3.4	4.0
SSW	1.7	1.7										3.4	1.7
SW	1.7	1.7										3.4	2.4
WSW	1.7	1.7										3.4	2.4
W	1.7	1.7	1.7									5.5	2.4
WNW	1.7	1.7	1.7									5.5	4.0
NW	1.7	1.7	1.7	1.7								5.5	4.0
NNW	1.7	1.7	1.7									5.5	2.4
VARBL													
CALM												16.7	
	34.5	22.2	6.7	1.7								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1961-62 MONTH ALL

CLASS ALL HOUSE (L S Y) ALL

CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	7.2	7.7	1.2	1.1							17.6	5.2
NNE	2.5	5.4	1.7	1.2								10.8	4.7
NE	2.1	5.4	1.1	1.1								7.7	4.4
ENE	2.1	2.5	1.7	1.1	1.1							10.8	4.4
E	1.7	4.1	1.2	1.1								8.8	4.5
ESE	1.7	2.1	1.1									4.5	4.5
SE		1.2	1.1	1.2								7.1	5.5
SSE		1.1	1.1	1.2	1.1							7.1	5.5
S	1.7	1.1	1.1	1.2	1.1							7.7	5.5
SSW	1.1	1.1	1.1	1.2								7.7	5.2
SW	1.1	1.1	1.1	1.2								7.7	4.5
WSW	1.1	1.1	1.1	1.2								7.7	4.5
W	1.1	1.1	1.1	1.2								7.7	4.5
WNW	1.1	1.1	1.1	1.2								7.7	4.5
NW	1.1	1.1	1.1	1.2								7.7	4.5
NNW	1.1	1.1	1.1	1.2								7.7	4.5
VARBL													
CALM													
	2.1	10.1	16.7	2.8	1.2		1.1					17.6	4.5

TOTAL NUMBER OF OBSERVATIONS 240

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME WHITING FIELD, FL YEARS 1951-52 MONTH NOV  
CLASS ALL WEATHER MONTH NOV  
CONDITION NO  
HOURS 11 57

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	2.7	1.7								17.0	4.0
NNE	1.7	2.7	2.7									6.7	3.0
NE	1.7	1.7	1.7									3.7	4.0
ENE	1.7	1.7										2.7	3.6
E	1.7	4.7	1.7	1.7								7.7	4.4
ESE	1.7	2.7	1.7	1.7								6.7	4.1
SE	1.7	1.7	1.7									3.7	3.0
SSE	1.7	1.7	1.7									1.7	5.6
S	1.7	1.7										2.0	3.2
SSW		1.7										1.7	4.0
SW	1.7	1.7										1.7	4.4
WSW	1.7		1.7									1.0	4.7
W	1.7	1.7	1.7									2.0	3.7
WNW		1.7		1.7	1.7							2.0	6.0
NW	1.7	1.7	1.7									2.0	5.2
NNW	1.7	1.7	2.7	1.7								9.0	5.6
VARBL													
CALM												11.7	
	27.7	27.3	2.7	2.7	1.7							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 140100 STATION NAME 140100 YEAR 1961 MONTH NOV  
 ALL WEATHER CLASS ALL WEATHER  
 CONDITION ALL WEATHER  
 HOURS (L.S.T.) 07

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7	2.1									17.7	4.1
NNE	2.7	2.7	2.1									6.0	3.7
NE	2.7	1.7	2.1									5.1	3.3
ENE	2.7	2.7	2.1									5.0	3.9
E	2.7	3.0	1.7	2.7								5.7	4.7
ESE	1.7	2.7	1.7									5.0	4.7
SE	2.7	2.7										3.0	1.0
SSE	2.7	1.7	2.1									2.7	4.0
S	2.7	2.7	2.1									1.3	4.3
SSW	2.7	2.7	2.1									1.0	4.7
SW	2.7											.7	2.5
WSW	2.7											.7	2.0
W	1.7	2.7										2.3	2.9
WNW	1.7	2.7	2.1	2.7								2.3	5.0
NW	1.7	1.7		1.7								3.3	6.0
NNW	2.7	2.3	1.7	1.7								8.0	6.2
VARBL													
CALM												28.0	
	31.7	25.7	9.0	3.7								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 277

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 72-50 YEARS NOV  
 CLASS ALL WEATHER MONTH 26  
 CONDITION NOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	0.7	0.7	0.7								19.3	4.8
NNE	0.3	1.3	0.7									7.0	3.3
NE	0.3	1.3	0.7									6.7	4.0
ENE	0.3	0.3	0.7									4.0	3.5
E	0.3	4.7	1.3									12.0	3.7
ESE	1.3	3.7	0.7									5.7	4.4
SE	1.3	0.7	0.3	0.3								2.7	5.3
SSE	1.3		1.3									2.0	5.8
S	0.3	0.7	0.3									1.3	5.3
SSW	0.3	0.3										0.7	3.0
SW			0.7									0.3	7.0
WSW	0.7	0.3										1.0	3.3
W	1.3	1.3		0.7								2.7	4.8
WNW	1.3	1.3	0.7									3.3	4.6
NW	1.3		0.7	0.3								2.0	5.2
NNW	0.7	1.3	1.3	1.3								7.3	5.9
VARBL													
CALM												22.0	
	30.0	22.3	11.0	2.7								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 320

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 91441 WHITING FIELD, FL STATION NAME 12-32 YEARS NOV  
MONTH 09  
HOURS (LST) 09  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	5.3	4.3	.7								11.3	6.1
NNE	1.7	2.7	2.7	.7								7.7	5.3
NE	2.7	1.7	2.7	.3								6.7	5.4
ENE	.7	3.3	2.3	.7								7.7	4.6
E	4.3	7.7	5.7									16.3	5.1
ESE	3.3	6.7	2.3	.7								12.7	5.4
SE	2.3	3.3	1.7									6.7	4.2
SSE	.7	.7		1.0								2.3	7.7
S	.7	2.3	1.7	.7								4.7	6.8
SSW													
SW	.7	.3										1.0	3.3
WSW	.7	.3	.7									1.3	4.5
W	.7	.7										1.0	4.0
WNW	.7	.7	.3									1.3	4.8
NW	.7	.7	1.7	.7	.3							3.3	6.4
NNW	.7	1.7	2.3	2.0								7.7	6.8
VARBL													
CALM												9.7	
	20.7	17.7	24.0	7.0	.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

41341 STATION WHITING FIELD, FL 73-00 YEARS NOV  
STATION NAME CLASS ALL WEATHER MONTH 17  
CONDITION HOURS 11.5 Y

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	1.7	2.7								10.0	7.6
NNE	1.7	2.3	2.7	.7								7.3	6.2
NE	1.7	3.3	.7									4.7	4.9
ENE	.7	3.3	1.3									5.0	5.7
E	1.7	3.0	.7	.3								5.3	4.8
ESE	1.7	2.3	1.7	.7								5.3	6.1
SE	.7	2.7	2.7									7.0	6.9
SSE	1.3	3.7	2.3	1.7								9.0	7.1
S	1.3	1.7	4.7	2.3	.3							11.7	7.2
SSW	.7	1.0	2.3									3.7	6.8
SW	.7			.3								1.0	5.0
WSW	.7	.7										1.7	2.5
W	.3	.3	.7	.3								1.3	6.8
WNW	.7	1.7	.3									4.0	4.7
NW	.7	1.7	1.7	1.0								5.0	7.1
NNW	.7	1.3	6.7	2.3								12.3	7.9
VARBL													
CALM												6.7	
	12.0	33.3	22.7	12.7	.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WITTING FIELD, FL STATION NAME 73-82 YEARS NOV  
ALL WEATHER MONTH 15  
 CLASS NOON (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	6.7	6.0	1.3								15.7	7.0
NNE	1.3	5.3	1.3									7.7	4.9
NE	1.3	2.3	.7									4.3	4.2
ENE	2.3	1.3	1.3									4.7	5.3
E	1.7	3.3	.7									5.7	4.1
ESE	.7	1.7	.7	.3								2.7	6.8
SE	.7	1.7	2.3	.3								5.0	6.7
SSE	.7	1.7	3.3	1.7								6.7	6.0
S		2.3	6.7	1.3								14.7	7.9
SSW	.7	2.3	3.3	.7	.7							7.3	6.8
SW	.7	1.3	.7									2.7	5.0
WSW		1.7										1.7	5.3
W	.7	.7										1.7	4.3
WNW	1.7	1.7	.7	.3								3.7	4.1
NW		1.7	1.7	1.7								6.3	6.0
NNW	.7	2.7	6.7	2.7								10.0	6.2
VARBL													
CALM												4.7	
	1.3	17.3	36.3	9.7	.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS FIELD, FL STATION NAME WATKINS FIELD, FL YEARS 1961-62 MONTH NOV  
 CLASS ALL WEATHER  
 HOURS (LST) 15  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.7	4.0	.3								14.7	4.8
NNE	2.7	2.7	1.0									7.3	3.0
NE	1.7	1.0	.3									3.0	3.8
ENE	1.7	1.7										3.0	3.4
E	2.0	1.3		.3								3.7	4.5
ESE	.7	1.7										1.3	4.5
SE	1.7	1.7	1.3									6.7	4.3
SSE	1.7	2.3	.7									4.7	4.4
S	1.7	5.7	2.0									11.7	4.5
SSW	2.7	1.3	.3									4.3	3.5
SW	2.3	.3	.3									4.3	2.9
WSW	1.7											1.7	2.6
W	1.0		.7									1.7	3.5
WNW	.7	.3	.3									1.3	4.8
NW	2.0	1.3	.3									3.7	3.9
NNW	4.7	3.7	1.0	.7								10.7	4.5
VARBL													
CALM												18.0	
	32.7	20.8	12.0	1.3								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1784 STATION NAME HARTS FIELD YEARS 73-80 MONTH NOV

CLASS ALL WEATHER HOURS (LST) 21

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.7	7.7	1.7								18.7	5.0
NNE	1.7	2.7	1.7									5.7	3.3
NE	1.7	2.7										4.7	3.4
ENE	1.7	1.7										3.7	3.6
E	1.7	2.7	1.7									4.7	4.1
ESE	1.7	1.7	1.7	1.7								4.7	4.8
SE	1.7	1.7	1.7	1.7	1.7							9.7	5.0
SSE	1.7	1.7	1.7	1.7								3.7	4.9
S	1.7	1.7	1.7	1.7								3.7	5.1
SSW	1.7		1.7									1.7	5.6
SW	1.7											1.7	3.0
WSW	1.7	1.7	1.7									1.7	4.5
W	1.7	1.7										2.7	2.4
WW	1.7	1.7	1.7									1.7	2.5
NW	1.7	1.7	1.7									2.7	5.3
NNW	1.7	1.7	1.7	1.7								7.7	4.9
VARB													
CALM												10.7	
	2.7	20.7	10.7	2.7	1.7							18.7	3.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17841 JACKSON FIELD, FL STATION NAME 73-82 YEARS NOV  
MONTH  
CLASS ALL WEATHER  
HOURS (L S Y) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.5	6.5	3.4	0.0								15.5	3.3
NNE	0.0	2.1	1.7	0.2								6.0	4.5
NE	0.1	2.1	0.6	0.0								4.8	4.2
ENE	1.3	1.0	0.7	0.1								4.3	4.7
E	1.0	3.4	1.1	0.2								7.8	4.5
ESE	1.0	2.1	1.0	0.3								5.5	5.1
SE	0.0	1.5	1.2	0.1	0.0							4.0	5.1
SSE	1.0	1.3	1.0	0.6								6.0	6.3
S	1.3	2.0	2.3	0.5	0.0							6.2	6.4
SSW	0.0	0.0	0.0	0.0	0.0							2.0	5.7
SW	0.0	0.4	0.0	0.0	0.0							1.4	3.8
WSW	0.7	0.4	0.1	0.0								1.2	3.7
W	1.0	0.0	0.1	0.1								1.3	3.8
WNW	0.3	1.0	0.3	0.2	0.0							2.3	5.0
NW	1.0	1.0	1.0	0.5	0.0							3.5	6.6
NNW	2.4	2.3	2.6	1.8								9.7	6.6
VARBL													
CALM												10.0	
	23.2	39.7	17.8	5.2	0.2							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS FIELD, FL STATION NAME WATKINS FIELD YEARS 1952 MONTH DEC  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 00  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	0.5	1.7	0.6								17.1	5.1
NNE	0.1	1.0	1.0	0.3								4.9	4.7
NE	0.1	1.0										1.0	3.5
ENE	0.1	1.0	1.7									2.8	4.8
E	1.0	3.0	1.7	0.3								5.0	5.2
ESE	1.0	1.0	1.3	0.3								5.2	5.4
SE	1.0	0.0	1.3	0.3								3.0	5.5
SSE	0.0	1.0	1.7									2.0	5.7
S	0.0	1.0	1.0	0.6								3.2	6.0
SSW	1.0	0.0	0.0	0.6								3.2	6.5
SW	0.0				0.3							0.6	10.0
WSW	0.0	1.0	0.0									2.3	5.3
W	1.0	1.3	0.3	0.3								3.9	4.3
WNW	0.0	1.3	0.3									2.3	4.6
NW	1.0	1.0	1.0	1.3								4.9	6.7
NNW	3.0	3.5	1.0	1.0								10.0	5.6
VARB.													
CALM												26.1	
	25.2	26.8	15.0	5.8	0.3							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 73-47 YEARS 1964  
 ALL WEATHER CLASS 03  
 CONDITION NOV 1964

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.1	4.2	1.6								14.0	5.1
NNE	4.0	1.5	1.5									7.0	4.0
NE	1.6	.7	.7									2.9	3.7
ENE	1.6	.6	.7									2.9	3.6
E	2.0	2.2	1.6									7.0	4.5
ESE	2.0	1.5	1.7									5.2	4.8
SE	1.6	1.3	1.1	.3								4.0	5.0
SSE	.7	1.6	.6									2.6	5.9
S	.6	1.6	.6	.6								3.1	6.6
SSW	.7	.3	.6	.3								1.6	7.8
SW	.5	.2	.6									1.3	8.5
WSW	.5	.5										1.0	8.3
W	.7	1.3	.3									1.0	5.2
WNW	1.7	1.6	.6	.3								3.9	5.3
NW	1.0	1.4	1.7	.6								5.5	5.8
NNW	2.3	4.5	1.7	.3	.3							8.4	5.7
VARB.													
CALM												26.1	
	24.9	28.7	18.2	4.2	.3							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 310

8MOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILKINS FIELD, FL STATION NAME WILKINS FIELD, FL YEARS 73-77 MONTH DEC

CLASS ALL WEATHER HOURS (L S Y) 06

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	6.3	2.0	.6								12.5	5.0
NNE	2.3	2.3	1.0	.7								5.7	4.5
NE	1.0	.5	1.7	.3								4.2	5.5
ENE	.4	1.3	.6									2.5	5.1
E	2.8	2.3	1.6									7.1	4.5
ESE	2.2	1.2	1.6	1.3								7.7	6.0
SE	2.3	.6	.3	.3								3.5	4.1
SSE		.2	.6	.3								1.3	6.5
S	.6	.2	1.0		.3							3.5	7.5
SSW		.2	.3									.6	7.0
SW	.2	.6		.2								1.3	6.3
WSW	.6	.3										1.0	2.7
W	1.0	1.6	.7									3.9	2.8
WNW	2.3	.6	.6									3.5	4.1
NW	1.0	1.2	.7		.3							3.5	5.6
NNW	1.6	4.2	4.2	.3								11.0	7.2
VARBL													
CALM												23.4	
	20.1	27.7	17.7	3.9	.6							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL YEARS 77-82 MONTH OFF  
CLASS ALL WEATHER HOURS (LST) 30  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.2	2.0	2.6	.3							17.2	7.7
NNE	1.7	2.3	3.5	.6								9.1	5.8
NE	1.7	1.7	2.3	.3								5.3	5.9
ENE	1.7	1.7	.3									2.3	5.0
E	1.7	5.3	1.7									10.0	5.2
ESE	4.2	5.3	2.3									13.2	4.7
SE	1.7	1.7	2.3	.3								6.1	5.4
SSE	.3	.3	.3	1.7								2.3	7.1
S	1.7	.3	.3	.3								2.3	5.7
SSW	.3	1.7	.3									2.3	5.2
SW	.3	1.7	.3	.6								2.3	7.1
WSW	.3		.3									.3	5.5
W	1.7	.3	1.7									2.3	5.1
WNW	1.7	2.3	1.7									5.3	5.3
NW	1.7	1.7	2.3	.6								5.3	7.4
NNW	1.7	3.5	1.7	2.3								9.3	7.3
VARBL													
CALM												4.5	
	24.2	34.2	26.5	9.7	.3							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1961-1962 MONTH ALL  
CLASS ALL  
CONDITION ALL  
HOURS (L S T) 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.0	2.0	2.0								11.0	7.0
NNE	1.0		2.0	2.0								4.0	6.0
NE	1.0	1.0	1.0	2.0								6.0	6.1
ENE		2.0	2.0									2.0	5.1
E	1.0	1.0	2.0	2.0								4.0	5.1
ESE	1.0	1.0	1.0	2.0								4.0	5.7
SE	1.0	2.0	2.0	1.0								6.0	7.0
SSE	1.0	1.0	1.0	1.0								5.0	7.5
S	1.0	1.0	4.0	1.0	2.0							7.0	7.4
SSW			1.0									2.0	5.6
SW		1.0	1.0	2.0			2.0					2.0	6.2
WSW		1.0	1.0	2.0								3.0	7.0
W	1.0	1.0	1.0	2.0								5.0	5.9
WNW	1.0	1.0	1.0									3.0	5.3
NW	1.0	1.0	2.0	1.0								7.0	7.0
NNW	1.0	4.0	2.0	1.0	2.0							10.0	7.1
VARBL													
CALM												0.0	
	1.0	7.0	12.0	13.0	2.0		2.0					10.0	6.7

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS FIELD, NC STATION NAME 77-90 YEARS DEC  
CLASS ALL WEATHER HOURS (LST) 12  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	7.0	4.5	2.3								11.3	7.6
NNE	1.0	4.0	1.0									6.0	5.3
NE	.5	1.0	1.5									2.7	6.1
ENE	.5	2.0	1.0									3.5	5.4
E	1.0	2.0	.5									4.5	4.2
ESE	.5	1.0	2.0									4.0	6.8
SE	.5	1.0	2.0	1.0								6.0	6.5
SSE	.5	1.0	1.0	1.0								4.5	7.4
S	.5	5.0	6.0	.5								12.0	7.1
SSW	.5	.5	1.0	.5								3.5	7.8
SW	.5	.5	1.0	1.0								2.6	7.1
WSW	.5	2.0	1.0									3.5	5.5
W	.5	1.0	.5	.3								2.4	6.5
WNW	.5	1.0	1.0	.3								4.5	6.4
NW	.5	1.0	2.0	1.0								6.0	6.8
NNW	1.0	3.0	4.0	2.0	.3							12.0	7.9
VARBL													
CALM												6.1	
	11.3	37.4	32.4	11.3	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1591 WATKINS FIELD, NC STATION NAME 27-54 YEARS DEC  
CLASS ALL WEATHER MONTH 19  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	4.2	3.6	.6								13.8	5.1
NNE	2.8	.6	.3									3.7	3.4
NE	1.9	1.0	.6									4.5	4.1
ENE	1.0	.6										1.6	2.4
E	2.3	1.0	.6									4.9	3.9
ESE	1.4	1.2	1.0	.3								5.2	6.1
SE	1.7	2.3	1.0	.6								5.2	5.6
SSE	1.0	1.0	1.6	.3								4.5	5.7
S	1.2	2.3	2.6									6.1	3.0
SSW	.7	.6	1.3									4.5	4.5
SW	1.0	1.3	1.0									3.9	4.5
WSW	.6	.6	.6									1.8	4.7
W	1.6	.6	.6									2.8	4.1
WNW	2.6	1.0	.6									4.2	3.7
NW	1.7	1.6	.6									4.6	4.2
NNW	4.5	2.6	1.9	1.3								10.4	5.4
VARBL													
CALM												15.7	
	35.0	25.7	19.1	3.2								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 77-62 YEARS DEC  
MONTH 21  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.1	3.6	.3	.3							16.2	5.0
NNE	1.0	1.0	.6									3.9	4.4
NE	1.0	1.0	.3									3.2	4.4
ENE	.4	.6	.6									1.9	4.7
E	1.0	4.5	1.0									7.1	4.8
ESE	1.0	1.0	1.0	.3								4.9	5.0
SE	1.0	1.0	2.0	.6								7.1	6.7
SSE			.6	.3								1.0	9.3
S	1.0	2.0	1.0	.3								5.5	5.2
SSW	.4	.7	1.0									1.9	5.8
SW	1.0		.3									1.3	2.8
WSW	.3	.5	.5									1.6	5.0
W	2.0	1.5										4.5	3.5
WNW	.3	1.3	.6	.3								2.6	6.3
NW	.6	.5	1.0	.3								2.6	6.3
NNW	1.0	3.0	1.6	1.3								8.1	6.2
VARBL													
CALM												26.2	
	23.7	28.5	17.2	3.9	.3							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01041 WINTING FIELD, FL 17-87 YEARS DEC  
STATION NAME MONTH  
ALL WEATHER  
CLAS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	5.2	3.6	1.5	.1							14.2	6.3
NNE	2.3	1.2	1.5	.2								3.7	4.9
NE	1.5	1.1	1.5	.1								3.8	5.0
ENE	.7	1.4	.4									2.6	4.8
E	2.2	2.3	1.1	.1								6.5	4.7
ESE	2.1	2.3	1.7	.4								6.4	5.3
SE	1.5	1.4	1.8	.2								5.7	5.5
SSE	.4	1.1	1.0	.5								3.1	6.0
S	1.2	1.2	2.4	.5	.1							6.1	6.7
SSW	.2	.6	1.0	.2								2.7	6.1
SW	.6	.6	.6	.3	.3		.7					2.1	7.0
WSW	.4	1.0	.5	.1								2.2	5.6
W	1.5	1.2	.6	.2								3.5	4.7
WNW	1.7	1.5	.3	.1								3.8	5.1
NW	1.2	1.7	1.5	.6	.2							5.2	6.5
NNW	2.3	3.6	2.5	1.4	.1							10.0	6.5
VARBL													
CALM												16.7	
	23.2	30.1	22.2	6.9	.4		.7					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13441 WHITING FIELD, FL 73-87 YEARS ALL  
STATION NAME ALL WEATHER MONTH ALL  
CLASS ALL  
CONDITION ALL  
HOURS (LST) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.6	2.4	.2	.0							11.4	5.3
NNE	2.3	2.1	1.0	.2								5.6	4.6
NE	1.5	1.6	.5	.1								4.1	4.4
NNE	1.5	1.5	.6	.1	.0							3.9	4.5
E	2.3	2.7	1.0	.1	.0		.0					6.1	4.5
ESE	1.5	1.6	.8	.2	.0	.0						4.1	4.9
SE	1.2	1.4	1.0	.4	.0	.0						4.2	6.0
SSE	.9	1.5	1.1	.5	.0	.0	.0					4.1	6.5
S	1.6	3.0	2.7	.9	.1	.0						8.7	6.3
SSW	1.2	1.8	1.5	.4	.0	.0	.0					5.0	6.2
SW	1.0	1.2	.7	.2	.0	.0	.0					3.1	5.5
WSW	1.1	1.1	.5	.2	.0	.0						2.9	5.0
W	1.0	1.5	.6	.2	.0	.0						4.1	4.6
WNW	1.0	1.1	.5	.2	.0							2.9	5.1
NW	1.1	1.3	1.0	.4	.1	.0						3.9	6.1
NNW	1.0	2.3	1.5	.8	.1	.0	.0					7.0	6.0
VARBL													
CALM												19.1	
	26.5	30.6	17.8	5.4	.5	.1	.0					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 29207

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHITING FIELD, FL STATION NAME 17-02 YEAR ALL  
INSTRUMENT ALL  
CLASS ALL  
CONDITION 200 TO 1400 FT M/MSBY 1/2 MI OR MORE,  
AND/OR MSBY 1/2 TO 2-1/2 MI W/CLG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.1	3.0	1.0	.2							2.1	5.5
NNE	.9	1.2	1.4	.2								4.3	5.9
NE	1.2	1.3	.9	.1								4.2	5.2
ENE	.5	2.0	.2	.1	.0							3.7	5.2
E	2.4	3.5	1.4	.1	.0							7.5	4.9
ESE	1.5	2.1	1.0	.5	.5	.0						5.9	6.2
SE	1.4	2.2	2.3	1.0	.1	.0						7.0	7.2
SSE	1.1	2.0	2.7	1.4	.1	.0	.0					7.1	7.6
S	1.7	3.2	4.5	2.1	.3	.1						11.5	7.9
SSW	.5	1.0	1.7	.9	.1	.1						5.0	7.9
SW	.5	1.3	1.0	.4	.1		.0					3.3	7.2
WSW	.5	1.1	.5	.2								2.5	5.3
W	1.1	1.2	.7	.3	.0							3.0	5.6
WNW	.5	.7	.5	.3	.0							2.1	5.6
NW	.5	1.1	1.1	.9	.1							3.2	7.4
NNW	1.1	1.4	2.0	1.2	.2	.0						5.3	4.0
VARBL													
CALM												14.4	
	11.2	29.3	25.7	10.4	1.2	.3	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 4000

3008

NOCD, Federal Building  
Asheville, N. C.

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	$\geq 0$
NO CEILING															
IV 1800															
IV 1500					91.0										92.6
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500										97.4					98.1
IV 400															
IV 300															
IV 200															
IV 100															
IV 0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

## PART D

### ADDITIONAL EXAMPLES

**EXAMPLE # 4** Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

**EXAMPLE # 5** To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10  
Scattered converted to 3/10  
Broken converted to 9/10  
Overcast converted to 10/10  
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		41.4	47.5	48.9	47.5	47.5	47.5	46.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 20000		44.3	44.5	51.2	57.5	57.5	51.5	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4
IV 18000		44.3	44.5	51.2	57.5	57.5	51.5	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4
IV 16000		44.3	44.5	51.2	57.5	57.5	51.5	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4
IV 14000		44.3	44.5	51.2	57.5	57.5	51.5	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4
IV 12000		44.3	44.5	51.2	57.5	57.5	51.5	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4
IV 10000		44.3	44.5	51.1	51.5	51.5	52.4	53.1	53.1	53.1	53.4	53.4	53.4	53.4	53.4
IV 9000		44.3	44.5	51.1	51.5	51.5	52.4	53.1	53.1	53.1	53.4	53.4	53.4	53.4	53.4
IV 8000		44.3	51.1	54.4	54.1	44.1	54.7	54.3	54.7	54.7	55.7	55.7	55.7	55.7	55.7
IV 7000		44.3	51.1	54.4	54.1	44.1	54.7	54.3	54.7	54.7	55.7	55.7	55.7	55.7	55.7
IV 6000		44.3	51.1	54.4	54.1	44.1	54.7	54.3	54.7	54.7	55.7	55.7	55.7	55.7	55.7
IV 5000		44.3	51.1	54.4	54.1	44.1	54.7	54.3	54.7	54.7	55.7	55.7	55.7	55.7	55.7
IV 4500		44.3	51.1	54.4	54.1	44.1	54.7	54.3	54.7	54.7	55.7	55.7	55.7	55.7	55.7
IV 4000		44.3	51.1	54.4	54.1	44.1	54.7	54.3	54.7	54.7	55.7	55.7	55.7	55.7	55.7
IV 3500		1.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 3000		1.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 2500		2.4	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 2000		4.7	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 1800		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 1500		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 1200		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 1000		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 900		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 800		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 700		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 600		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 500		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 400		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 300		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 200		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 100		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 0		5.1	57.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6

TOTAL NUMBER OF OBSERVATIONS 54

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		12.5	31.7	35.9	38.7	38.9	37.4	40.1	40.1	40.7	40.7	40.7	40.7	41.1	41.1	41.1
≥ 20000		7.5	31.7	40.1	42.1	42.1	43.7	43.4	43.4	43.7	43.7	43.7	43.7	44.7	44.7	44.7
IV 18000		7.5	31.7	40.1	42.1	42.1	43.7	43.4	43.4	43.7	43.7	43.7	43.7	44.7	44.7	44.7
IV 16000		7.5	31.7	40.1	42.1	42.1	43.7	43.4	43.4	43.7	43.7	43.7	43.7	44.7	44.7	44.7
IV 14000		7.5	31.7	40.1	42.1	42.1	43.7	43.4	43.4	43.7	43.7	43.7	43.7	44.7	44.7	44.7
IV 12000		7.5	31.7	40.5	42.1	42.4	43.4	43.7	43.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 10000		7.5	42.6	44.6	47.6	48.7	48.7	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 9000		7.5	47.7	44.2	46.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 8000		11.1	47.7	47.7	47.7	49.7	50.7	50.7	50.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 7000		41.1	47.7	47.7	51.7	50.7	51.1	1.5	11.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 6000		41.1	47.7	47.7	51.7	51.7	51.1	1.5	11.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 5000		42.1	47.7	47.7	51.7	51.7	51.1	1.5	11.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 4500		42.1	47.7	47.7	51.7	51.7	51.1	1.5	11.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 4000		42.1	47.7	47.7	51.7	51.7	51.1	1.5	11.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 3500		43.4	47.7	47.7	51.7	51.7	51.1	1.5	11.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 3000		45.7	47.7	47.7	51.7	51.7	51.1	1.5	11.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 2500		47.7	51.7	54.1	58.7	58.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 2000		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 1800		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 1500		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 1200		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 1000		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 900		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 800		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 700		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 600		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 500		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 400		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 300		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 200		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 100		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 0		47.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 E.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IVV 18000																
IVV 16000																
IVV 14000																
IVV 12000																
IVV 10000																
IVV 9000																
IVV 8000																
IVV 7000																
IVV 6000																
IVV 5000																
IVV 4500																
IVV 4000																
IVV 3500																
IVV 3000																
IVV 2500																
IVV 2000																
IVV 1800																
IVV 1500																
IVV 1200																
IVV 1000																
IVV 900																
IVV 800																
IVV 700																
IVV 600																
IVV 500																
IVV 400																
IVV 300																
IVV 200																
IVV 100																
IVV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 18000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 16000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 14000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 12000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 10000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 9000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 8000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 7000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 6000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 5000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 4500		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 4000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 3500		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 3000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 2500		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 2000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1800		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1500		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1200		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 900		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 800		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 700		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 600		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 500		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 400		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 300		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 200		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 100		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 0		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY LL S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION: 10000 YEARS: 1951-1952 MONTH: 12  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.4	43.8	42.9	41.6	40.5	39.1	37.6	36.0	34.4	32.8	31.2	29.6	28.0	26.4	24.8	23.2
IV 20000	47.4	51.7	51.6	52.3	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 18000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 16000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 14000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 12000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 10000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 9000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 8000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 7000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 6000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 5000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 4500	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 4000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 3500	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 3000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 2500	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 2000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 1800	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 1500	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 1200	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 1000	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 900	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 800	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 700	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 600	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 500	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 400	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 300	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 200	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 100	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 0	47.4	51.7	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6

TOTAL NUMBER OF OBSERVATIONS: 1000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION CHATTANOOGA FIELD, TN STATION NAME 71-2 YEARS 1951 MONTH 1 DAY 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 18000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 16000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 14000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 12000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 10000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 9000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 8000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 7000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 6000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 5000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 4500	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 4000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 3500	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 3000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 2500	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 2000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 1800	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 1500	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 1200	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 1000	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 900	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 800	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 700	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 600	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 500	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 400	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 300	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 200	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 100	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 0	45.0	40.1	38.4	39.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	42.2	41.3	42.2	41.1	43.1	43.5	43.6	43.7	43.7	43.7	43.9	43.9	44.0	44.0	44.2	44.2
≥ 20000	44.3	44.6	44.6	44.8	45.7	47.2	49.3	49.3	49.5	49.5	49.6	49.6	49.8	49.8	50.0	50.4
IN 18000	44.1	44.6	47.8	43.9	44.3	49.2	49.3	49.3	49.5	49.6	49.6	49.6	49.7	49.8	50.0	50.4
IN 16000	44.2	46.6	47.9	43.9	46.8	49.2	49.3	49.3	49.5	49.6	49.6	49.6	49.8	49.8	50.0	50.4
IN 14000	44.2	46.6	47.9	43.9	46.8	49.2	49.3	49.3	49.5	49.6	49.6	49.6	49.8	49.8	50.0	50.4
IN 12000	44.2	47.4	48.6	49.6	49.6	50.0	50.0	50.1	50.1	50.3	50.4	50.4	50.7	50.7	50.9	51.3
IN 10000	46.8	49.8	51.1	52.2	52.2	52.5	52.7	52.7	52.9	52.9	53.1	53.1	53.3	53.3	53.5	53.7
IN 9000	47.3	50.2	51.6	52.7	52.7	53.1	53.2	53.2	53.4	53.5	53.6	53.6	53.8	53.8	54.0	54.4
IN 8000	49.2	52.8	54.3	55.6	55.6	56.0	56.1	56.1	56.3	56.3	56.5	56.5	56.7	56.7	56.9	57.3
IN 7000	50.2	53.7	55.2	56.5	56.5	57.0	57.2	57.2	57.4	57.5	57.5	57.5	57.7	57.7	57.9	58.3
IN 6000	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 5000	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 4500	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 4000	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 3500	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 3000	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 2500	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 2000	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 1800	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 1500	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 1200	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 1000	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 900	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 800	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 700	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 600	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 500	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 400	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 300	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 200	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 100	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IN 0	50.2	54.4	55.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4

TOTAL NUMBER OF OBSERVATIONS

2475

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH ALL  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING	77.3	44.3	47.7	57.5	60.4	51.7	51.7	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	63.6	44.3	51.8	53.7	64.3	55.7	55.7	55.7	55.7	56.1	56.1	56.1	56.1	56.1	56.1
IV 18000	63.6	44.3	51.8	53.7	64.3	55.7	55.7	55.7	55.7	56.1	56.1	56.1	56.1	56.1	56.1
IV 16000	63.6	44.3	51.8	53.7	64.3	55.7	55.7	55.7	55.7	56.1	56.1	56.1	56.1	56.1	56.1
IV 14000	44.3	44.3	52.1	54.3	54.3	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 12000	44.3	44.3	52.1	54.3	54.3	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 10000	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 9000	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 8000	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 7000	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 6000	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 5000	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 4500	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 4000	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 3500	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 3000	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 2500	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 2000	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 1800	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 1500	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 1200	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 1000	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 900	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 800	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 700	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 600	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 500	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 400	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 300	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 200	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 100	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 0	44.3	51.4	55.0	57.1	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.1	40.4	49.2	49.7	49.7	50.7	1.1	41.1	41.0	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	41.1	47.2	50.4	52.5	52.5	57.6	1.9	52.2	54.1	54.4	54.6	54.6	54.6	54.6	54.6	54.6
IV 18000	41.1	47.2	50.4	52.5	52.5	57.6	1.9	52.2	54.1	54.4	54.6	54.6	54.6	54.6	54.6	54.6
IV 16000	41.1	47.2	50.4	52.5	52.5	57.6	1.9	52.2	54.1	54.4	54.6	54.6	54.6	54.6	54.6	54.6
IV 14000	41.1	47.2	50.4	52.5	52.5	57.6	1.9	52.2	54.1	54.4	54.6	54.6	54.6	54.6	54.6	54.6
IV 12000	42.1	41.2	51.4	53.4	53.4	54.6	1.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 10000	44.1	50.3	55.3	55.3	55.3	56.4	1.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	44.1	50.3	55.3	55.3	55.3	56.4	1.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	44.1	50.3	55.3	57.1	57.1	57.1	1.7	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 7000	44.1	52.1	55.3	57.1	57.1	58.5	1.7	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 6000	47.2	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 5000	47.2	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 4500	47.2	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 4000	47.2	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 3500	47.2	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 3000	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 2500	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 2000	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 1800	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 1500	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 1200	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 1000	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 900	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 800	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 700	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 600	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 500	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 400	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 300	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 200	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 100	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 0	1.4	51.2	55.4	55.4	55.4	59.6	1.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
41STATION NAME  
SHUTTLES FIELD, NC

71-72

YEARS

FEET

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)76  
HOURS IN YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		73.3	31.4	41.5	41.2	41.2	47.3	43.6	43.6	44.5	44.7	44.7	45.7	45.7	45.4	45.1
≥ 20000		72.5	43.2	45.7	46.0	46.4	46.2	48.2	48.2	48.3	48.7	49.7	49.7	50.2	50.2	51.1
≥ 18000		74.5	47.0	45.7	46.0	46.4	48.2	48.3	48.3	49.3	49.7	49.7	50.2	50.2	50.4	51.1
≥ 16000		74.5	47.0	45.7	46.0	46.4	48.2	48.3	48.3	49.3	49.7	49.7	50.2	50.2	50.4	51.1
≥ 14000		74.5	47.0	45.7	46.0	46.4	48.2	48.3	48.3	49.3	49.7	49.7	50.2	50.2	50.4	51.1
≥ 12000		72.5	43.2	45.7	46.0	46.4	48.2	48.3	48.3	49.3	49.7	49.7	50.2	50.2	50.4	51.1
≥ 10000		70.4	47.0	45.7	46.0	46.4	48.2	48.3	48.3	49.3	49.7	49.7	50.2	50.2	50.4	51.1
≥ 9000		70.4	47.0	45.7	46.0	46.4	48.2	48.3	48.3	49.3	49.7	49.7	50.2	50.2	50.4	51.1
≥ 8000		62.6	50.7	43.6	54.6	48.6	56.4	56.7	57.7	57.5	57.8	57.8	58.2	58.2	58.5	59.2
≥ 7000		62.6	51.1	51.9	53.0	56.0	56.7	57.1	57.1	57.8	58.2	58.2	58.2	58.2	58.9	59.2
≥ 6000		63.0	51.1	45.7	56.0	56.0	57.5	58.2	58.2	58.9	59.2	59.2	59.2	59.6	59.9	60.6
≥ 5000		64.7	52.5	45.3	56.4	56.4	58.2	58.5	58.5	59.2	59.2	59.2	59.2	59.6	59.9	60.6
≥ 4500		64.3	52.5	45.7	57.1	57.1	58.2	58.6	58.6	59.2	59.2	59.2	59.2	59.6	59.9	60.6
≥ 4000		62.6	51.1	56.4	57.8	57.8	59.6	59.3	59.3	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3500		61.4	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 3000		61.4	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 2500		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 2000		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 1800		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 1500		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 1200		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 1000		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 900		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 800		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 700		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 600		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 500		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 400		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 300		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 200		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 100		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1
≥ 0		60.1	53.9	56.7	57.2	58.7	59.9	60.6	60.6	61.4	61.7	61.7	61.7	62.1	62.4	63.1

TOTAL NUMBER OF OBSERVATIONS

76

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: MCINTOSH FIELD, FL YEAR: 1954 MONTH: 12

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURLY TOTAL: 10

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 20000	42.2	51.7	51.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 18000	42.2	51.1	52.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 16000	42.2	51.1	52.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 14000	42.2	51.1	52.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 12000	43.1	51.1	52.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 10000	44.1	54.6	55.0	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 9000	46.1	55.7	57.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 8000	48.9	57.8	59.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 7000	49.3	58.2	59.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 6000	50.4	59.2	60.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 5000	52.5	61.9	62.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 4500	53.0	61.7	63.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4000	52.9	61.7	63.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 3500	53.0	62.4	63.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 3000	54.3	63.9	64.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 2500	54.7	64.2	65.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 2000	55.7	65.6	67.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 1800	56.7	66.7	68.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 1500	57.8	67.8	69.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1200	58.9	68.9	70.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 1000	59.2	70.6	72.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 900	60.6	72.2	73.8	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 800	61.7	73.4	75.0	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 700	62.8	74.8	76.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 600	63.8	74.8	76.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 500	64.9	74.8	76.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 400	65.3	74.8	76.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 300	65.3	74.8	76.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 200	65.3	74.8	76.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 100	65.3	74.8	76.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 0	65.3	74.8	76.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9

TOTAL NUMBER OF OBSERVATIONS: 242

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

UNITED STATES FIELD, FL

19-51

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.  
HOURS (L E V)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		47.2	47.7	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
18000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
16000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
14000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
12000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
10000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
9000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
8000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
7000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
6000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
5000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
4500		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
4000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
3500		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
3000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2500		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
1800		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
1500		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
1200		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
1000		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
900		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
800		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
700		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
600		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
500		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
400		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
300		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
200		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
100		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
0		3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.0	54.3	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 20000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 18000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 16000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 14000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 12000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 10000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 9000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 8000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 7000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 6000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 5000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 4500	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 4000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 3500	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 3000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 2500	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 2000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 1800	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 1500	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 1200	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 1000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 900	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 800	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 700	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 600	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 500	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 400	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 300	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 200	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 100	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 14116 FIELD, FL STATION NAME 17-1 YEARS 12 MONTH 12  
 HOURS 12 BY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	5.2	17.7	7.2	57.6	23.7	94.0	18.0	19.7	45.3	15.0	55.1	10.1	15.1	15.1	15.1	15.1
≥ 20000	5.2	57.6	57.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 18000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 16000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 10000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 9000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 8000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 7000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 5000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 4500	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 4000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 3500	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 3000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 2500	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 2000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 1800	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 1500	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 1200	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 1000	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 900	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 800	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 700	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 600	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 500	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 400	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 300	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 200	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 100	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 0	5.2	57.6	57.6	57.6	57.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.6	51.7	51.1	51.7	51.2	50.6	50.3	50.7	50.8	50.3	50.5	50.7	50.1	50.1	50.3
≥ 20000		41.4	51.3	54.6	56.4	56.7	56.7	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
18000		42.8	54.3	54.6	56.4	56.7	56.7	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
16000		42.8	54.3	54.6	56.4	56.7	56.7	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
14000		42.8	54.3	54.6	56.4	56.7	56.7	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
12000		1.1	54.7	57.1	57.0	59.2	59.6	61.1	61.7	61.4	61.4	61.4	61.4	61.4	61.4	61.4
10000		2.1	54.5	57.0	57.6	61.0	62.4	63.1	63.1	63.0	63.3	63.3	63.3	63.3	63.3	63.3
9000		3.2	54.6	57.9	61.7	62.1	63.5	64.2	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
8000		4.1	54.3	61.0	62.6	63.1	64.5	65.3	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
7000		4.1	51.7	61.7	63.6	63.8	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
6000		4.1	51.7	61.7	63.6	63.8	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
5000		5.1	51.4	63.5	65.3	65.6	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
4500		5.1	64.7	64.9	66.7	67.1	68.4	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
4000		7.2	64.7	66.1	67.7	68.2	71.6	71.3	71.7	71.6	71.1	71.1	71.1	71.1	71.1	71.1
3500		6.1	63.7	66.7	67.1	68.9	71.3	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
3000		6.1	61.4	63.8	72.7	72.3	73.6	74.5	74.5	74.1	74.4	74.4	74.4	74.4	74.4	74.4
2500		1.1	61.4	63.9	73.4	73.5	75.2	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2
2000		1.4	61.9	71.1	75.7	75.7	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
1800		2.4	61.9	71.1	75.9	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1500		3.1	72.1	72.3	76.6	77.1	77.4	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
1200		3.1	72.1	72.3	77.3	77.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
1000		3.1	72.1	73.1	77.7	78.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
900		3.1	72.1	73.1	77.7	78.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
800		3.1	71.7	74.5	77.4	77.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
700		4.2	72.3	76.2	77.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
600		5.1	72.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
500		5.1	72.6	76.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
400		5.1	74.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
300		6.1	74.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
200		6.1	74.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
100		6.1	74.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
0		6.1	74.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



~~UNCLASSIFIED~~

314

F/G 4/2

NL



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-42

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

75

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	75.7	52.7	41.6	33.0	23.1	14.5	8.5	4.5	2.5	1.5	0.8	0.5	0.3	0.2	0.1	0.1
≥ 20000	41.7	44.2	45.5	45.4	44.4	42.4	44.4	49.4	49.4	50.7	50.7	52.7	51.6	51.6	51.6	52.7
18000	41.7	44.2	45.5	45.4	44.4	42.4	44.4	49.4	49.4	50.7	50.7	52.7	51.6	51.6	51.6	52.7
16000	41.7	44.2	45.5	45.4	44.4	42.4	44.4	49.4	49.4	50.7	50.7	52.7	51.6	51.6	51.6	52.7
14000	41.7	44.2	45.5	45.4	44.4	42.4	44.4	49.4	49.4	50.7	50.7	52.7	51.6	51.6	51.6	52.7
12000	41.7	44.2	45.5	45.4	44.4	42.4	44.4	49.4	49.4	50.7	50.7	52.7	51.6	51.6	51.6	52.7
10000	42.7	46.5	48.7	50.7	50.7	51.6	51.6	51.6	52.9	52.9	52.9	53.9	53.9	53.9	54.9	54.9
9000	42.7	46.5	48.7	50.7	50.7	51.6	51.6	51.6	52.9	52.9	52.9	53.9	53.9	53.9	54.9	54.9
8000	44.5	48.1	50.3	52.6	52.9	53.9	53.9	53.9	55.2	55.2	55.2	56.2	56.2	56.2	57.2	57.2
7000	44.5	48.1	50.3	52.6	52.9	53.9	53.9	53.9	55.2	55.2	55.2	56.2	56.2	56.2	57.2	57.2
6000	45.2	48.7	51.0	53.2	53.6	54.8	54.8	54.8	56.1	56.1	56.1	57.1	57.1	57.1	58.1	58.1
5000	47.1	50.7	52.9	55.2	55.5	56.8	56.8	56.8	58.1	58.1	58.1	59.1	59.1	59.1	60.1	60.1
4500	47.4	51.3	53.6	55.8	56.1	57.4	57.4	57.4	58.7	58.7	58.7	59.7	59.7	59.7	60.7	60.7
4000	47.4	51.3	53.6	55.8	56.1	57.4	57.4	57.4	58.7	58.7	58.7	59.7	59.7	59.7	60.7	60.7
3500	47.7	51.6	53.9	56.2	56.5	57.8	57.8	57.8	59.1	59.1	59.1	60.1	60.1	60.1	61.1	61.1
3000	48.1	52.6	54.8	57.4	57.7	59.4	59.4	59.4	60.7	60.7	60.7	61.7	61.7	61.7	62.7	62.7
2500	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
2000	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
1800	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
1500	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
1200	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
1000	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
900	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
800	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
700	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
600	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
500	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
400	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
300	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
200	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
100	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3
0	48.7	53.2	55.5	58.1	58.4	60.0	60.0	60.0	61.3	61.3	61.3	62.3	62.3	62.3	63.3	63.3

TOTAL NUMBER OF OBSERVATIONS

115

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

HOTEL FIELD, FL

STATION NAME

73-82

YEARS

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.G.V.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.0	36.1	36.1	36.7	40.0	41.6	42.4	42.6	43.2	43.6	43.6	44.5	44.5	44.5	44.5	44.5
≥ 20000	34.0	32.7	51.2	42.6	43.2	44.7	45.8	45.8	45.8	46.5	46.8	46.8	47.7	47.7	47.7	48.7
≥ 18000	74.0	34.0	41.3	42.6	43.2	44.0	43.8	45.2	45.5	46.2	46.8	47.0	47.7	47.7	47.7	48.7
≥ 16000	74.0	32.7	51.2	42.6	43.2	44.7	45.8	45.8	46.5	46.8	46.8	47.7	47.7	47.7	47.7	48.7
≥ 14000	75.0	34.0	41.3	42.6	43.6	45.2	46.1	46.1	46.8	47.1	47.1	47.1	48.1	48.1	48.1	48.1
≥ 12000	76.0	40.3	42.3	43.2	44.5	46.1	47.1	47.1	47.7	48.1	48.1	48.1	49.0	49.0	49.0	49.0
≥ 10000	76.0	42.6	44.5	46.1	46.8	48.4	49.4	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3
≥ 9000	76.0	42.6	44.5	46.1	46.8	48.4	49.4	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3
≥ 8000	76.0	43.0	45.8	47.7	48.4	50.0	51.0	51.0	51.6	51.9	51.9	52.9	52.9	52.9	52.9	53.9
≥ 7000	76.0	45.8	46.8	48.7	49.4	51.0	51.9	51.9	52.1	52.9	52.9	53.9	53.9	53.9	53.9	54.9
≥ 6000	76.0	45.8	46.8	48.7	49.4	51.0	51.9	51.9	52.1	52.9	52.9	53.9	53.9	53.9	53.9	54.9
≥ 5000	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 4500	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 4000	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 3500	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 3000	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 2500	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 2000	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 1800	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 1500	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 1200	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 1000	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 900	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 800	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 700	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 600	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 500	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 400	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 300	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 200	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 100	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4
≥ 0	76.0	47.1	48.4	51.3	51.9	53.8	54.8	54.8	55.2	55.5	55.5	56.5	56.5	56.5	56.5	57.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION

UNIT 3 FIELD, FL

STATION NAME

13-42

YEARS

MONTH

DAY

HOURE (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		7.4	24.1	24.7	30.1	30.5	31.3	31.3	31.3	32.3	32.4	32.6	32.9	32.9	33.0	34.5
≥ 20000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 18000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 16000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 14000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 12000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 10000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 9000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 8000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 7000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 6000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 5000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 4500		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 4000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 3500		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 3000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 2500		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 2000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 1800		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 1500		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 1200		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 1000		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 900		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 800		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 700		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 600		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 500		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 400		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 300		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 200		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 100		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7
IN 0		24.5	24.4	31.0	32.0	32.0	33.0	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	38.7

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WHITING FIELD, FL

73-72

YEARS

MAY

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

59  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		54.5	31.4	31.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000		36.4	42.3	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 18000		15.4	42.3	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 16000		15.4	42.3	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 14000		16.7	42.6	42.9	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 12000		16.7	42.6	42.9	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 10000		11.7	45.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 9000		11.7	45.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 8000		44.5	45.0	47.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000		45.1	50.7	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 6000		46.8	51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 5000		47.7	52.9	53.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 4500		47.7	52.9	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 4000		47.4	54.2	55.5	56.3	56.3	56.3	56.3	56.3	57.1	57.1	57.1	57.1	57.1	57.4
IV 3500		48.4	54.2	56.5	56.9	56.9	56.9	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.4
IV 3000		48.3	55.1	57.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 2500		53.2	55.1	60.3	61.9	61.9	61.9	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.9
IV 2000		55.1	62.3	63.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 1800		56.1	62.9	64.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 1500		56.0	62.4	64.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 1200		1.3	64.7	71.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1000		42.6	71.3	74.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 900		42.6	71.3	74.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 800		45.5	76.1	79.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 700		46.1	77.4	81.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 600		46.8	79.1	82.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 500		67.1	79.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 400		67.1	79.4	85.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 300		67.7	83.0	85.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 200		54.1	80.7	86.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 100		54.1	80.7	86.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 0		68.1	83.7	86.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS

10

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION WHITING FIELD, FL YEAR 1942 MONTH 17  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.7	41.0	41.3	41.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	49.4	50.0	50.3	50.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IVM 18000	49.4	50.0	50.3	50.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IVM 16000	49.4	50.0	50.3	50.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IVM 14000	49.4	50.0	50.3	50.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IVM 12000	50.3	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IVM 10000	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IVM 9000	52.3	52.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IVM 8000	56.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IVM 7000	57.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IVM 6000	58.4	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 5000	60.4	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IVM 4500	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IVM 4000	61.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IVM 3500	62.0	63.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IVM 3000	65.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IVM 2500	68.1	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IVM 2000	72.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IVM 1800	72.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IVM 1500	78.7	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IVM 1200	80.7	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IVM 1000	83.0	88.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IVM 900	83.0	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IVM 800	83.0	89.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVM 700	83.0	89.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVM 600	84.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVM 500	85.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IVM 400	85.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IVM 300	85.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IVM 200	85.0	92.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IVM 100	85.0	92.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
0	85.0	92.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

MILITARY FIELD, FL

73-42

YEARS

WAE

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	45.4	45.5	45.5	46.1	45.1	46.1	45.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	52.6	52.9	52.9	53.6	51.6	53.6	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	52.6	52.9	52.9	53.6	51.6	53.6	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	52.6	52.9	52.9	53.6	51.6	53.6	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	57.1	57.7	58.1	58.7	58.7	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000	57.1	57.7	58.1	58.7	58.7	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	60.2	60.7	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 7000	61.6	61.6	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4500	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3500	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2500	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 900	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 800	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 600	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION NAME

WILLIAMS FIELD, FL

STATION NAME

YEARS

YEARS

MONTH

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	42.3	43.6	43.6	47.9	43.9	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	42.3	44.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
18000	43.2	54.6	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
16000	43.2	54.6	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
14000	43.4	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
12000	44.3	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
10000	40.0	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
9000	40.0	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
8000	43.2	65.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
7000	44.2	66.9	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
6000	44.5	66.5	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
5000	46.1	69.1	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
4500	47.7	69.7	70.0	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
4000	49.0	71.3	71.6	72.3	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
3500	49.4	71.6	71.9	72.6	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
3000	49.7	72.3	72.6	73.2	73.2	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2500	50.7	73.2	73.6	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
2000	54.2	77.1	77.4	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
1800	54.5	77.4	77.7	78.4	78.4	78.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
1500	56.5	79.4	79.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1200	56.5	81.3	81.3	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1000	57.7	83.2	84.2	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
900	57.7	83.2	84.2	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
800	59.0	85.2	86.1	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
700	59.4	85.8	87.4	89.0	89.0	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
600	60.1	87.1	87.4	89.0	89.0	89.0	89.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
500	61.7	88.1	91.4	93.2	93.2	93.2	93.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
400	61.7	88.1	91.3	93.6	93.6	93.6	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
300	61.5	89.4	91.6	93.9	93.9	93.9	93.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
200	61.0	88.7	91.2	94.2	94.2	94.2	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
100	61.0	88.7	91.9	94.2	94.2	94.2	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	61.6	88.7	91.3	94.2	94.2	94.2	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WHITING FIELD, FL

72-71

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.4	48.5	47.7	45.4	44.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	44.1	51.3	51.9	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 18000	44.1	51.3	51.9	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 16000	44.1	51.3	51.9	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 14000	44.1	51.3	52.6	53.2	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 12000	44.1	51.3	53.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 10000	44.1	53.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 9000	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 8000	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 7000	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 6000	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 5000	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4500	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4000	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3500	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3000	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 2500	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 2000	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1800	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1500	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1200	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1000	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 900	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 800	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 700	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 600	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 500	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 400	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 300	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 200	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 100	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 0	44.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

UNITED STATES AIR FORCE

STATION NAME

1951-1952

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L & N)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	47.2	39.1	41.7	41.6	41.6	42.1	42.2	42.2	42.7	42.7	42.7	42.7	42.7	43.1	43.1
≥ 20000	42.3	45.2	46.3	47.7	47.4	47.4	47.4	48.3	48.3	48.3	48.6	48.6	48.6	48.9	49.4
IN 18000	42.3	45.2	46.4	47.3	47.4	47.7	48.1	48.1	48.5	48.5	48.5	48.6	48.6	49.0	49.5
IN 16000	42.3	45.2	46.4	47.3	47.4	47.7	48.1	48.1	48.5	48.5	48.5	48.6	48.6	49.0	49.5
IN 14000	42.3	45.2	46.4	47.3	47.4	47.7	48.1	48.1	48.5	48.5	48.5	48.6	48.6	49.0	49.5
IN 12000	42.3	45.2	46.4	47.3	47.4	47.7	48.1	48.1	48.5	48.5	48.5	48.6	48.6	49.0	49.5
IN 10000	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 9000	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 8000	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 7000	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 6000	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 5000	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 4500	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 4000	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 3500	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 3000	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 2500	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 2000	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 1800	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 1500	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 1200	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 1000	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 900	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 800	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 700	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 600	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 500	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 400	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 300	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 200	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 100	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1
IN 0	46.2	49.3	50.5	51.5	51.5	52.0	52.2	52.2	52.7	52.7	52.7	52.7	52.7	53.1	53.1

TOTAL NUMBER OF OBSERVATIONS 2432

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WHITING FIELD, FL

STATION NAME

73-72

YEARS

APR

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
≥ 20000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 18000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 16000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 14000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 12000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 10000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 9000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 8000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 7000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 6000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 5000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 4500	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 4000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 3500	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 3000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 2500	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 2000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 1800	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 1500	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 1200	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 1000	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 900	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 800	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 700	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 600	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 500	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 400	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 300	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 200	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 100	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7
IV 0	0.7	46.0	51.3	51.7	53.7	54.0	54.3	54.7	54.7	55.7	56.7	56.7	57.0	57.0	57.3	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

WALTON FIELD, FL

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.7	47.7	49.7	51.7	52.7	53.7	54.7	55.7	56.7	57.7	58.7	59.7	60.7	61.7	62.7	63.7
≥ 20000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 18000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 16000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 14000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 12000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 10000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 9000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 8000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 7000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 6000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 5000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 4500	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 4000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 3500	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 3000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 2500	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 2000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 1800	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 1500	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 1200	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 1000	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 900	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 800	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 700	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 600	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 500	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 400	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 300	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 200	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 100	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7
IV 0	44.7	51.7	54.7	56.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: NOVEMBER  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 HOURS (LST): 0000-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 20000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 18000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 16000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 14000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 12000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 10000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 9000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 8000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 7000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 6000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 5000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 4500		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 4000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 3500		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 3000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 2500		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 2000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 1800		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 1500		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 1200		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 1000		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 900		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 800		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 700		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 600		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 500		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 400		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 300		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 200		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 100		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 0		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0

TOTAL NUMBER OF OBSERVATIONS: 2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: 4 CHATTANOOGA FIELD, FL YEARS: 1951-1952 MONTH: 11  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) MONTHS (L.S.Y.): 11

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	48.3	44.3	40.3	37.3	34.3	31.3	28.3	25.3	22.3	19.3	16.3	13.3	10.3	7.3	4.3	1.3
≥ 20000	11.7	14.7	18.7	21.7	24.7	27.7	30.7	33.7	36.7	39.7	42.7	45.7	48.7	51.7	54.7	57.7
18000	11.7	14.7	18.7	21.7	24.7	27.7	30.7	33.7	36.7	39.7	42.7	45.7	48.7	51.7	54.7	57.7
16000	11.7	14.7	18.7	21.7	24.7	27.7	30.7	33.7	36.7	39.7	42.7	45.7	48.7	51.7	54.7	57.7
14000	12.7	15.7	19.7	22.7	25.7	28.7	31.7	34.7	37.7	40.7	43.7	46.7	49.7	52.7	55.7	58.7
12000	13.7	16.7	20.7	23.7	26.7	29.7	32.7	35.7	38.7	41.7	44.7	47.7	50.7	53.7	56.7	59.7
10000	15.7	18.7	22.7	25.7	28.7	31.7	34.7	37.7	40.7	43.7	46.7	49.7	52.7	55.7	58.7	61.7
9000	15.7	18.7	22.7	25.7	28.7	31.7	34.7	37.7	40.7	43.7	46.7	49.7	52.7	55.7	58.7	61.7
8000	17.7	20.7	24.7	27.7	30.7	33.7	36.7	39.7	42.7	45.7	48.7	51.7	54.7	57.7	60.7	63.7
7000	19.7	22.7	26.7	29.7	32.7	35.7	38.7	41.7	44.7	47.7	50.7	53.7	56.7	59.7	62.7	65.7
6000	21.7	24.7	28.7	31.7	34.7	37.7	40.7	43.7	46.7	49.7	52.7	55.7	58.7	61.7	64.7	67.7
5000	23.7	26.7	30.7	33.7	36.7	39.7	42.7	45.7	48.7	51.7	54.7	57.7	60.7	63.7	66.7	69.7
4500	25.7	28.7	32.7	35.7	38.7	41.7	44.7	47.7	50.7	53.7	56.7	59.7	62.7	65.7	68.7	71.7
4000	27.7	30.7	34.7	37.7	40.7	43.7	46.7	49.7	52.7	55.7	58.7	61.7	64.7	67.7	70.7	73.7
3500	29.7	32.7	36.7	39.7	42.7	45.7	48.7	51.7	54.7	57.7	60.7	63.7	66.7	69.7	72.7	75.7
3000	31.7	34.7	38.7	41.7	44.7	47.7	50.7	53.7	56.7	59.7	62.7	65.7	68.7	71.7	74.7	77.7
2500	33.7	36.7	40.7	43.7	46.7	49.7	52.7	55.7	58.7	61.7	64.7	67.7	70.7	73.7	76.7	79.7
2000	35.7	38.7	42.7	45.7	48.7	51.7	54.7	57.7	60.7	63.7	66.7	69.7	72.7	75.7	78.7	81.7
1800	37.7	40.7	44.7	47.7	50.7	53.7	56.7	59.7	62.7	65.7	68.7	71.7	74.7	77.7	80.7	83.7
1500	39.7	42.7	46.7	49.7	52.7	55.7	58.7	61.7	64.7	67.7	70.7	73.7	76.7	79.7	82.7	85.7
1200	41.7	44.7	48.7	51.7	54.7	57.7	60.7	63.7	66.7	69.7	72.7	75.7	78.7	81.7	84.7	87.7
1000	43.7	46.7	50.7	53.7	56.7	59.7	62.7	65.7	68.7	71.7	74.7	77.7	80.7	83.7	86.7	89.7
900	45.7	48.7	52.7	55.7	58.7	61.7	64.7	67.7	70.7	73.7	76.7	79.7	82.7	85.7	88.7	91.7
800	47.7	50.7	54.7	57.7	60.7	63.7	66.7	69.7	72.7	75.7	78.7	81.7	84.7	87.7	90.7	93.7
700	49.7	52.7	56.7	59.7	62.7	65.7	68.7	71.7	74.7	77.7	80.7	83.7	86.7	89.7	92.7	95.7
600	51.7	54.7	58.7	61.7	64.7	67.7	70.7	73.7	76.7	79.7	82.7	85.7	88.7	91.7	94.7	97.7
500	53.7	56.7	60.7	63.7	66.7	69.7	72.7	75.7	78.7	81.7	84.7	87.7	90.7	93.7	96.7	99.7
400	55.7	58.7	62.7	65.7	68.7	71.7	74.7	77.7	80.7	83.7	86.7	89.7	92.7	95.7	98.7	100.0
300	57.7	60.7	64.7	67.7	70.7	73.7	76.7	79.7	82.7	85.7	88.7	91.7	94.7	97.7	100.0	100.0
200	59.7	62.7	66.7	69.7	72.7	75.7	78.7	81.7	84.7	87.7	90.7	93.7	96.7	99.7	100.0	100.0
100	61.7	64.7	68.7	71.7	74.7	77.7	80.7	83.7	86.7	89.7	92.7	95.7	98.7	100.0	100.0	100.0
0	63.7	66.7	70.7	73.7	76.7	79.7	82.7	85.7	88.7	91.7	94.7	97.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DUKE FIELD, FL

STATION NAME

77-42

YEARS

SPC

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	0.0	0.0	5.7	5.7	5.7	10.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	50.0	50.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 18000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 9000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 7000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 6000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 5000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4500	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3500	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 2500	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 2000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1800	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1500	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1200	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1000	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 900	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 800	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 700	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 600	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 500	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 400	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 300	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 200	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 100	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 0	50.0	50.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WHITE FIELD, FL

17-37

YEARS

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	1.7	51.7	51.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 20000	2.3	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 18000	2.7	63.7	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	3.7	63.7	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000	3.7	64.0	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	4.0	64.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 10000	4.5	66.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 9000	4.6	66.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 8000	4.9	70.0	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	5.0	71.3	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 6000	5.7	71.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 5000	7.2	73.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 4500	7.3	74.0	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4000	7.5	76.7	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3500	7.7	78.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	8.0	82.0	83.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 2500	8.7	86.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	8.7	87.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800	8.7	87.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	8.7	89.7	91.0	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	8.7	90.7	92.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	8.7	93.0	94.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	8.7	93.7	94.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	8.7	93.7	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	8.7	93.7	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	8.7	93.7	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 500	8.7	93.7	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	8.7	93.7	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300	8.7	93.7	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 200	8.7	93.7	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 100	8.7	93.7	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 0	8.7	93.7	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

321

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WHITING FIELD, FL

STATION NAME

73-87

YEARS

ADP

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 18000	52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 16000	52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 14000	53.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 12000	53.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 10000	56.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3500	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3000	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2500	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2000	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1800	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1500	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1200	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1000	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 900	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 800	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 700	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 600	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 500	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 400	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 300	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 200	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 100	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 0	57.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7

TOTAL NUMBER OF OBSERVATIONS

222

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: WHEAT FIELD, FL YEAR: 1961 MONTH: 1 HOURS (LST): 21

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	0.0	3.0	5.0	5.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	0.0	0.0	64.0	64.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 18000	0.0	0.0	64.0	64.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000	0.0	0.0	64.0	64.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 14000	0.0	0.0	64.0	64.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 12000	0.0	0.0	65.0	65.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 10000	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 7000	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 6000	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 5000	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4500	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4000	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3500	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 2500	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 2000	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1800	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1500	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1200	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1000	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 900	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 800	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 700	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 600	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 500	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 400	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 300	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 200	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 100	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 0	0.0	0.0	64.0	64.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
NAMESTATION NAME  
NORTH

YEAR

YEAR

APR  
MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

1-10

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NAVY

MONTH

DAY

HOURS (L & T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING		45.2	54.5	67.3	64.7	74.3	65.2	66.4	65.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4
≥ 20000		49.1	60.7	69.0	71.9	71.9	72.6	73.2	73.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 18000		49.1	60.7	69.0	71.9	71.9	72.6	73.2	73.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 16000		49.1	60.7	69.0	71.9	71.9	72.6	73.2	73.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000		49.0	60.7	69.0	71.9	71.9	72.6	73.2	73.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 12000		40.7	61.3	69.7	72.6	72.6	73.2	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	75.5
IV 10000		41.0	62.6	71.6	74.5	74.5	75.2	75.8	75.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000		51.6	63.6	72.9	75.8	75.8	76.5	77.1	77.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7
IV 8000		53.2	66.5	75.8	78.7	78.7	79.4	80.0	80.0	81.4	81.7	81.7	81.7	81.7	81.7	81.7
IV 7000		53.9	67.1	76.5	79.7	79.7	80.3	81.0	81.0	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 6000		53.0	67.1	75.5	79.7	79.7	80.3	81.0	81.0	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 5000		54.5	68.1	77.4	81.7	81.7	82.3	83.0	83.0	84.6	84.9	84.9	84.9	84.9	84.9	84.9
IV 4500		54.5	68.1	77.7	81.7	81.7	82.3	83.0	83.0	84.6	84.9	84.9	84.9	84.9	84.9	84.9
IV 4000		54.5	68.4	78.4	81.9	81.9	82.3	83.0	83.0	84.6	84.9	84.9	84.9	84.9	84.9	84.9
IV 3500		54.5	68.4	78.4	81.9	81.9	82.3	83.0	83.0	84.6	84.9	84.9	84.9	84.9	84.9	84.9
IV 3000		55.7	68.7	79.7	83.2	83.2	83.7	84.5	84.5	86.1	86.5	86.5	86.5	86.5	86.5	86.5
IV 2500		55.7	68.7	79.7	83.2	83.2	83.7	84.5	84.5	86.1	86.5	86.5	86.5	86.5	86.5	86.5
IV 2000		55.5	70.3	80.7	84.2	84.2	84.8	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4
IV 1800		55.5	70.3	80.7	84.2	84.2	84.8	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4
IV 1500		55.5	71.3	81.9	85.5	85.5	86.5	87.1	87.1	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 1200		56.4	71.9	82.9	86.5	86.5	87.4	88.1	88.1	89.7	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000		56.4	72.6	83.6	87.1	87.1	88.4	89.0	89.0	90.7	91.0	91.0	91.0	91.0	91.0	91.0
IV 900		56.4	72.6	83.6	87.1	87.1	88.4	89.0	89.0	90.7	91.0	91.0	91.0	91.0	91.0	91.0
IV 800		57.7	73.9	85.2	89.0	89.0	90.7	91.3	91.3	92.9	93.2	93.2	93.2	93.2	93.2	93.2
IV 700		57.7	73.9	85.2	89.0	89.0	90.7	91.3	91.3	92.9	93.2	93.2	93.2	93.2	93.2	93.2
IV 600		58.7	75.2	86.3	91.3	91.3	92.3	93.6	93.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5
IV 500		58.7	75.2	86.3	91.3	91.3	92.3	93.6	93.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5
IV 400		58.7	75.2	86.3	91.3	91.3	92.3	93.6	93.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5
IV 300		58.7	75.2	87.1	93.2	93.2	94.5	95.8	95.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4
IV 200		58.7	75.2	87.1	93.2	93.2	94.5	95.8	95.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4
IV 100		58.7	75.2	87.4	93.6	93.6	95.5	96.5	96.5	98.4	99.0	99.0	99.0	99.0	99.0	99.0
IV 0		58.7	75.2	87.4	93.6	93.6	95.5	96.5	96.5	98.4	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

MARTIN FIELD, FL

73-72

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	29.7	34.4	44.3	53.8	60.3	63.6	64.5	64.5	56.1	57.4	57.4	59.0	59.0	59.7	59.7
≥ 20000	3.3	44.3	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 18000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 16000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 14000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 12000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 10000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 9000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 8000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 7000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 6000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 5000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 4500	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 4000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 3500	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 3000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 2500	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 2000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 1800	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 1500	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 1200	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 1000	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 900	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 800	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 700	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 600	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 500	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 400	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 300	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 200	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 100	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0
≥ 0	3.4	44.9	51.9	57.7	58.4	62.3	63.6	63.6	65.4	66.8	66.8	68.9	68.9	69.7	70.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

HATTIE FIELD, FL

STATION NAME

13-1

YEARS

12Y

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	21.6	27.1	32.6	37.4	43.7	41.3	41.3	41.7	45.7	47.4	47.4	48.7	48.7	49.7	51.7	
IV 20000	24.6	33.2	38.4	43.6	48.2	49.2	49.9	49.9	53.6	56.8	56.8	60.0	60.0	61.0	63.4	
IV 18000	24.4	33.2	38.4	43.4	45.2	49.4	49.4	49.4	53.9	57.1	57.1	60.3	60.3	61.3	63.4	
IV 16000	24.4	33.2	38.4	43.4	45.2	49.4	49.4	49.4	53.9	57.1	57.1	60.3	60.3	61.3	63.4	
IV 14000	24.4	33.2	38.4	43.4	45.2	49.4	49.4	49.4	53.9	57.1	57.1	60.3	60.3	61.3	63.4	
IV 12000	25.2	31.6	38.7	44.2	45.5	45.7	49.7	49.7	54.2	54.3	54.3	61.3	61.3	62.2	64.8	
IV 10000	25.2	31.6	38.7	44.2	45.5	45.7	49.7	49.7	54.2	54.3	54.3	61.3	61.3	62.2	64.8	
IV 9000	26.1	35.5	41.3	47.1	48.4	52.6	52.6	52.6	57.4	61.3	61.3	64.5	64.5	65.5	68.4	
IV 8000	28.1	37.7	44.2	50.0	51.5	55.8	55.8	55.8	61.7	64.5	64.5	64.5	64.5	69.1	71.4	
IV 7000	29.7	39.7	46.1	51.9	53.6	54.1	54.1	54.1	62.9	66.6	66.6	66.6	66.6	70.3	71.3	74.2
IV 6000	29.7	39.7	46.1	51.9	53.6	54.1	54.1	54.1	62.9	66.6	66.6	66.6	66.6	70.3	71.3	74.2
IV 5000	29.7	39.7	46.1	51.9	53.6	54.1	54.1	54.1	62.9	66.6	66.6	66.6	66.6	70.3	71.3	74.2
IV 4500	29.7	39.7	46.1	51.9	53.6	54.1	54.1	54.1	62.9	66.6	66.6	66.6	66.6	70.3	71.3	74.2
IV 4000	29.7	39.7	46.1	51.9	53.6	54.1	54.1	54.1	62.9	66.6	66.6	66.6	66.6	70.3	71.3	74.2
IV 3500	30.7	41.6	49.3	55.5	57.1	62.3	62.3	62.3	67.1	71.3	71.3	75.2	75.2	75.2	75.2	75.2
IV 3000	30.7	41.6	49.3	55.5	57.1	62.3	62.3	62.3	67.1	71.3	71.3	75.2	75.2	75.2	75.2	75.2
IV 2500	30.7	41.6	49.3	55.5	57.1	62.3	62.3	62.3	67.1	71.3	71.3	75.2	75.2	75.2	75.2	75.2
IV 2000	30.7	41.6	49.3	55.5	57.1	62.3	62.3	62.3	67.1	71.3	71.3	75.2	75.2	75.2	75.2	75.2
IV 1800	31.6	43.6	51.3	57.7	59.4	64.5	64.5	64.5	69.7	73.9	73.9	77.7	77.7	77.7	77.7	77.7
IV 1500	31.6	43.6	51.3	57.7	59.4	64.5	64.5	64.5	69.7	73.9	73.9	77.7	77.7	77.7	77.7	77.7
IV 1200	32.6	44.5	52.3	58.7	60.3	65.5	65.5	65.5	71.0	75.2	75.2	79.0	79.0	79.0	79.0	79.0
IV 1000	32.6	44.5	52.3	58.7	60.3	65.5	65.5	65.5	71.0	75.2	75.2	79.0	79.0	79.0	79.0	79.0
IV 900	33.2	46.5	54.2	61.3	62.9	68.7	68.7	68.7	73.9	78.4	78.4	82.3	82.3	82.3	82.3	82.3
IV 800	33.2	46.5	54.2	61.3	62.9	68.7	68.7	68.7	73.9	78.4	78.4	82.3	82.3	82.3	82.3	82.3
IV 700	33.2	46.5	54.2	61.3	62.9	68.7	68.7	68.7	73.9	78.4	78.4	82.3	82.3	82.3	82.3	82.3
IV 600	33.2	46.5	54.2	61.3	62.9	68.7	68.7	68.7	73.9	78.4	78.4	82.3	82.3	82.3	82.3	82.3
IV 500	34.2	47.4	55.8	63.2	64.8	70.7	70.7	70.7	76.5	81.0	81.0	85.2	85.2	85.2	85.2	85.2
IV 400	34.2	47.4	55.8	63.2	64.8	70.7	70.7	70.7	76.5	81.0	81.0	85.2	85.2	85.2	85.2	85.2
IV 300	34.2	47.4	55.8	63.2	64.8	70.7	70.7	70.7	76.5	81.0	81.0	85.2	85.2	85.2	85.2	85.2
IV 200	34.2	47.4	55.8	63.2	64.8	70.7	70.7	70.7	76.5	81.0	81.0	85.2	85.2	85.2	85.2	85.2
IV 100	34.2	47.4	55.8	63.2	64.8	70.7	70.7	70.7	76.5	81.0	81.0	85.2	85.2	85.2	85.2	85.2
IV 0	34.2	47.4	55.8	63.2	64.8	70.7	70.7	70.7	76.5	81.0	81.0	85.2	85.2	85.2	85.2	85.2

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: CHAFFIN FIELD, FL YEARS: 13-42 MONTH: NOV  
 STATION NAME: CHAFFIN FIELD, FL MONTH: NOV  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 HOURS (LST): 0

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 20000	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 18000	1.0	57.1	58.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	1.0	57.1	58.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	1.0	57.1	58.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000	2.6	58.7	60.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	14.1	61.3	62.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 9000	15.2	61.3	62.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 8000	16.5	66.6	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 7000	19.0	67.7	69.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	19.3	68.1	69.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	21.3	68.7	70.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500	21.5	69.0	70.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	21.5	69.4	71.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3500	21.7	69.6	71.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	22.6	70.3	71.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	24.8	72.3	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000	27.1	74.0	76.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	27.7	75.5	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	23.6	82.3	84.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1200	23.6	84.5	87.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	27.4	87.1	90.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 900	27.4	87.1	90.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 800	29.4	89.7	92.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	29.7	90.3	93.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600	29.7	90.3	93.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 500	29.7	90.3	93.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 400	29.7	90.3	93.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300	29.7	90.3	93.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 200	29.7	90.3	93.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 100	29.7	90.3	93.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
0	29.7	90.3	93.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WHLG & FIELD, FL

STATION NAME

YEARS

MONTH

DATE

17

HOURLY OBS.

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		37.4	47.7	49.3	40.7	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 20000		40.1	47.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 18000		46.1	49.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 16000		46.5	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000		47.1	50.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 12000		48.7	52.7	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 10000		51.0	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 9000		51.5	55.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 8000		54.2	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 7000		55.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000		58.5	61.7	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 5000		58.7	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 4500		56.1	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 4000		56.7	64.5	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 3500		52.3	68.4	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 3000		71.7	70.1	73.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500		75.8	83.4	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2000		80.7	88.1	89.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800		80.3	88.4	89.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500		82.4	91.7	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1200		83.2	92.3	93.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1000		84.5	93.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900		84.5	93.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 800		85.2	94.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700		85.4	94.8	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600		85.5	94.8	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500		85.5	95.7	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400		85.8	95.7	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300		85.7	95.7	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200		85.8	95.7	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 100		85.8	95.7	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 0		85.8	95.7	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

13-07

YEARS

43

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		1.5	43.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 14000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 14000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 12000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 10000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 9000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 8000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 7000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 6000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 5000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 4500		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 4000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 3500		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 3000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 2500		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 2000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 1800		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 1500		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 1200		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 1000		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 900		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 800		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 700		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 600		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 500		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 400		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 300		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 200		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 100		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
0		2.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-02

YEARS

MAY

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 3/16	≥ 0
NO CEILING	47.4	51.7	51.9	51.9	1.0	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	43.0	69.0	70.7	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IN 18000	43.4	69.0	70.7	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IN 16000	63.7	69.0	70.7	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IN 14000	63.2	71.3	71.9	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IN 12000	66.1	71.3	72.9	73.7	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IN 10000	64.7	74.8	77.1	77.7	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IN 9000	70.0	75.2	77.4	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 8000	73.9	77.0	81.3	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 7000	73.5	80.7	82.9	83.6	83.6	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IN 6000	75.3	81.7	83.9	83.6	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IN 5000	76.1	81.3	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IN 4500	76.1	81.3	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IN 4000	77.1	82.3	84.8	85.5	85.5	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IN 3500	78.4	83.4	86.1	86.7	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IN 3000	78.7	83.9	86.5	87.1	87.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IN 2500	79.7	84.8	87.4	88.1	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IN 2000	80.3	85.8	88.7	89.4	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IN 1800	81.7	86.1	89.0	89.7	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IN 1500	81.7	87.1	90.3	91.0	91.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IN 1200	81.6	87.7	91.3	92.0	92.6	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IN 1000	83.6	87.7	93.6	94.0	95.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN 900	83.9	90.7	93.9	95.2	95.2	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IN 800	83.9	90.7	94.5	96.5	96.6	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IN 700	84.2	91.0	94.8	96.9	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IN 600	84.2	91.3	95.2	97.1	97.4	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 500	84.2	91.9	96.1	98.1	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 400	84.2	91.9	96.1	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 300	84.2	91.9	96.1	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 200	84.2	91.9	96.1	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 100	84.2	91.9	96.1	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 0	84.2	91.9	96.1	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION WATKINS FIELD, FL STATION NAME WATKINS FIELD, FL YEARS 1951-1952 MONTH 1951  
**PERCENTAGE FREQUENCY OF OCCURRENCE**  
**(FROM HOURLY OBSERVATIONS)** HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		1.0	5.0	12.3	67.7	13.2	14.0	1.0	64.7	14.0	14.2	14.2	14.2	14.2	14.2	14.2
IV 20000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 18000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 16000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 14000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 12000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 10000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 9000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 8000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 7000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 6000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 5000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4500		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 3500		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 3000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2500		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1800		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1500		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1200		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1000		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 900		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 800		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 700		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 600		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 500		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 400		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 300		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 200		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 100		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 0		6.7	66.4	72.9	73.7	14.2	75.2	14.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

2442

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME HEATH FIELD, FL STATION NAME HEATH FIELD, FL YEARS 1950-1951 MONTH JUN  
 STATION 1 HOURS (L.S.T.) 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.3	61.7	71.7	74.7	71.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 20000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 16000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 12000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 6000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3500	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 2500	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 2000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1800	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1500	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1200	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1000	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 900	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 800	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 700	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 600	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 500	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 400	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 300	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 200	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 100	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 0	75.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: WATKINS FIELD, FL STATION NAME: WATKINS FIELD YEAR: 1952 MONTH: JUL  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS: 1200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	58.7	57.7	54.7	68.7	69.0	71.3	72.7	72.7	73.7	74.7	74.0	74.0	74.0	74.0	74.0	74.7
≥ 20000	58.7	64.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 18000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 16000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 14000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 12000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 10000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 9000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 8000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 7000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 6000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 5000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 4500	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 4000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 3500	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 3000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 2500	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 2000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 1800	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 1500	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 1200	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 1000	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 900	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 800	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 700	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 600	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 500	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 400	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 300	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 200	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 100	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7
IV 0	44.7	50.7	72.3	77.3	77.7	80.0	81.3	81.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7

TOTAL NUMBER OF OBSERVATIONS: 1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC STATION NAME NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC YEARS 1951-1952 MONTH JULY  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS 11.5.7

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	33.3	35.7	47.0	51.7	53.7	57.0	58.3	64.7	65.0	66.7	67.0	67.7	68.7	69.7	71.7
≥ 20000	33.3	47.0	51.7	52.7	52.7	56.3	57.3	67.3	69.0	67.7	69.7	70.0	70.0	70.7	71.7
IV 18000	39.7	45.0	50.3	61.7	52.7	56.3	67.7	67.7	69.7	70.0	70.0	70.7	70.7	70.7	71.7
IV 16000	39.7	43.0	55.0	60.7	52.7	56.3	67.7	67.7	69.7	70.0	70.0	70.7	70.7	70.7	71.7
IV 14000	39.7	43.0	55.0	61.7	52.7	56.3	67.7	67.7	69.7	70.0	70.0	70.7	70.7	70.7	71.7
IV 12000	39.7	44.0	50.7	51.7	54.3	64.7	59.3	69.7	71.7	71.7	71.7	72.7	72.7	72.7	73.7
IV 10000	42.7	47.7	51.7	67.3	70.3	74.3	75.0	76.7	78.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 9000	33.3	43.0	52.0	67.7	70.7	74.7	76.3	76.3	78.3	78.3	78.3	78.3	78.3	78.3	79.7
IV 8000	33.3	51.0	45.7	71.7	75.0	79.3	81.3	81.3	83.3	84.7	84.7	84.7	84.7	84.7	85.3
IV 7000	36.3	52.3	67.5	73.0	76.3	82.7	83.0	83.0	85.0	85.7	85.7	85.7	85.7	85.7	86.3
IV 6000	39.7	53.3	67.1	73.0	76.3	80.7	83.0	83.7	85.7	85.7	85.7	85.7	85.7	85.7	87.7
IV 5000	36.3	52.3	68.0	74.3	77.7	82.0	84.3	84.3	85.3	87.3	87.3	87.3	87.3	87.3	88.3
IV 4500	36.7	53.3	64.0	74.3	77.7	82.0	84.3	84.3	85.3	87.3	87.3	87.3	87.3	87.3	88.3
IV 4000	36.7	53.3	67.0	74.7	77.7	82.3	84.7	84.7	85.7	87.3	87.3	87.3	87.3	87.3	88.7
IV 3500	36.7	53.3	68.3	74.7	78.3	83.0	85.0	85.7	87.3	87.3	87.3	87.3	87.3	87.3	88.7
IV 3000	37.3	54.0	69.0	75.3	79.0	83.7	86.0	86.0	87.3	87.3	87.3	87.3	87.3	87.3	89.0
IV 2500	37.7	54.3	69.3	75.7	79.3	84.0	86.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	89.3
IV 2000	38.3	55.0	70.3	76.7	80.3	85.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	90.3
IV 1800	38.3	55.7	71.3	77.7	81.3	86.0	88.3	88.7	88.3	88.3	88.3	88.3	88.3	88.3	91.3
IV 1500	39.7	57.0	72.7	79.7	82.7	87.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	91.7
IV 1200	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 1000	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 900	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 800	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 700	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 600	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 500	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 400	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 300	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 200	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 100	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3
IV 0	40.0	57.3	73.3	79.7	83.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WATKINS FIELD, FL

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	45.6	51.7	46.2	50.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	5.9	6.5	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IVM 18000	13.1	67.5	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IVM 16000	3.7	67.5	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IVM 14000	3.8	67.5	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IVM 12000	4.1	61.3	64.6	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IVM 10000	58.5	66.2	69.2	73.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IVM 9000	58.5	66.6	69.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IVM 8000	41.1	69.6	72.9	73.7	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IVM 7000	2.7	7.2	73.6	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IVM 6000	2.5	7.2	73.6	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IVM 5000	2.5	7.2	73.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IVM 4500	3.2	7.9	74.3	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IVM 4000	3.2	7.9	74.3	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IVM 3500	3.4	7.2	74.6	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IVM 3000	5.3	7.3	76.9	77.9	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IVM 2500	4.4	77.4	81.3	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IVM 2000	4.4	84.2	87.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IVM 1800	5.3	84.6	88.3	89.6	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IVM 1500	7.6	87.3	91.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IVM 1200	1.1	91.7	94.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IVM 1000	1.2	92.7	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IVM 900	1.4	92.7	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IVM 800	2.3	93.0	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVM 700	2.3	93.0	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVM 600	2.3	93.3	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVM 500	2.3	93.3	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVM 400	2.3	93.3	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVM 300	2.3	93.3	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVM 200	2.3	93.3	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVM 100	2.3	93.3	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVM 0	2.3	93.3	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

245

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION HATTIES FIELD, FL

73-47

YEARS

1974

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS 11 5 7

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	76.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 18000	75.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 16000	56.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 14000	56.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 12000	57.7	62.0	61.7	62.7	62.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 10000	60.7	62.7	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 9000	60.7	62.7	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 8000	63.0	65.7	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 7000	64.7	67.7	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 6000	66.7	69.3	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 5000	66.7	71.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4500	67.7	71.3	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4000	67.7	72.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3500	70.7	74.0	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000	77.7	84.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500	80.7	88.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2000	82.7	91.7	94.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	82.7	92.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 300	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 200	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 100	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 0	82.7	91.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WINTERS FIELD, FL

STATION NAME

72-1

YEARS

JUN

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		1.5	4.3	44.7	44.7	54.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 20000		1.5	4.3	44.7	55.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 18000		1.5	4.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 16000		1.5	4.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 14000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 10000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 9000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 8000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 7000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 6000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 5000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 4500		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 4000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 3500		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 3000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 2500		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 2000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 1800		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 1500		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 1200		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 1000		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 900		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 800		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 700		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 600		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 500		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 400		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 300		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 200		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 100		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 0		4.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

13-11

YEARS

JUN

MONTH

71

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		3.7	61.7	62.3	64.7	74.3	64.3	74.3	64.7	64.3	64.3	64.3	64.7	64.3	64.3	64.7
≥ 20000		5.7	74.7	77.3	81.7	81.3	81.0	81.0	81.7	81.3	81.7	81.3	81.7	81.3	81.7	81.7
18000		5.7	74.7	77.3	81.7	81.3	81.0	81.0	81.7	81.3	81.7	81.3	81.7	81.3	81.7	81.7
16000		5.7	74.7	77.3	81.7	81.3	81.0	81.0	81.7	81.3	81.7	81.3	81.7	81.3	81.7	81.7
14000		5.7	74.7	77.3	81.7	81.3	81.0	81.0	81.7	81.3	81.7	81.3	81.7	81.3	81.7	81.7
12000		5.7	74.7	77.3	81.7	81.3	81.0	81.0	81.7	81.3	81.7	81.3	81.7	81.3	81.7	81.7
10000		5.7	74.7	81.3	85.7	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
9000		5.7	74.7	81.3	85.7	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
8000		11.7	81.3	84.7	89.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
7000		12.3	87.3	85.3	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
6000		12.7	87.3	85.7	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
5000		13.3	87.3	86.3	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
4500		13.7	87.3	87.0	91.3	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
4000		14.7	84.3	88.3	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
3500		14.7	84.7	88.3	92.7	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
3000		15.7	84.7	88.0	94.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2500		15.7	87.0	91.0	95.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2000		17.7	83.3	92.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1800		17.7	82.0	92.3	97.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1500		17.7	82.0	93.7	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0		17.7	82.0	93.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION

STATION NAME  
ASHEVILLE, FL

73-74

YEARS

DATE  
JULY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 3/8	≥ 0
NO CEILING		42.3	44.2	43.2	54.3	45.3	56.3	58.4	58.8	56.7	56.8	56.1	56.8	56.0	56.0	57.0
≥ 20000		1.2	51.2	65.8	68.1	68.5	69.3	69.7	69.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2
18000		3.4	61.4	65.9	68.7	68.7	69.5	69.8	69.7	70.2	70.3	70.3	70.4	70.4	70.5	70.7
16000		3.4	61.4	66.0	68.8	69.7	69.5	69.9	69.9	70.2	70.4	70.4	70.4	70.4	70.5	70.7
14000		3.7	61.7	65.8	68.7	69.1	69.9	70.2	70.2	70.5	70.7	70.7	70.8	70.8	70.9	71.0
12000		4.5	62.5	67.4	69.5	70.2	71.0	71.4	71.4	71.7	71.9	71.9	72.0	72.0	72.1	72.2
10000		4.7	66.7	71.7	74.7	74.8	75.7	76.1	76.1	76.4	76.7	76.7	76.7	76.8	76.8	77.0
9000		5.3	66.9	72.2	74.0	75.1	76.3	76.4	76.4	76.4	77.3	77.3	77.3	77.3	77.2	77.4
8000		5.4	69.0	74.9	77.5	78.1	79.0	79.5	79.5	79.9	80.1	80.1	80.2	80.2	80.3	80.3
7000		5.2	70.7	76.1	78.7	79.3	80.2	80.7	80.7	81.2	81.3	81.3	81.4	81.4	81.5	81.5
6000		5.1	71.2	76.5	79.3	79.7	80.7	81.2	81.2	81.6	81.7	81.7	81.8	81.8	81.8	81.8
5000		2.3	71.7	77.1	79.8	80.4	81.0	81.9	81.9	82.3	82.3	82.5	82.5	82.5	82.7	82.8
4500		2.4	71.8	77.3	80.1	80.5	81.6	82.1	82.1	82.3	82.7	82.7	82.7	82.7	82.9	83.0
4000		2.4	72.7	78.3	81.1	81.7	82.7	83.2	83.7	83.6	83.9	83.9	83.9	83.9	84.0	84.2
3500		3.3	73.9	79.6	82.4	83.0	84.0	84.5	84.5	85.0	85.1	85.1	85.2	85.2	85.3	85.3
3000		3.3	77.4	83.2	86.1	86.7	87.8	88.3	88.7	88.7	88.9	88.9	89.0	89.0	89.1	89.1
2500		3.9	80.2	86.0	88.9	89.5	90.6	91.1	91.1	91.5	91.7	91.7	91.8	91.8	91.9	91.9
2000		4.0	82.3	88.5	91.3	91.8	92.8	93.3	93.8	93.7	94.2	94.5	94.5	94.5	94.7	94.7
1800		4.1	82.4	88.7	91.7	92.3	93.5	94.0	94.0	94.4	94.6	94.6	94.7	94.7	94.8	94.8
1500		4.1	83.7	89.1	93.3	93.9	95.1	95.1	95.5	95.2	96.5	96.5	96.5	96.6	96.7	96.7
1200		4.2	84.2	90.7	95.0	95.3	96.7	96.2	96.7	96.3	97.1	97.1	97.2	97.2	97.3	97.3
1000		4.2	84.7	91.1	94.3	95.1	96.3	96.8	96.9	97.5	97.5	97.8	97.8	97.8	97.9	97.9
900		4.2	84.7	91.1	94.3	95.1	96.3	96.8	96.9	97.5	97.5	97.8	97.8	97.8	97.9	97.9
800		4.3	85.2	91.5	94.8	95.3	96.8	97.4	97.4	98.0	98.4	98.4	98.5	98.5	98.6	98.6
700		4.3	85.1	91.5	94.8	95.6	97.0	97.5	97.5	98.2	98.5	98.5	98.6	98.6	98.9	98.9
600		4.3	85.1	91.6	94.9	95.7	97.0	97.5	97.5	98.2	98.5	98.5	98.6	98.6	98.9	98.9
500		4.3	85.1	91.6	95.1	95.9	97.3	97.9	97.9	98.4	98.9	98.9	99.1	99.1	99.2	99.2
400		4.3	85.1	91.7	95.1	96.0	97.3	98.0	98.0	98.6	99.0	99.0	99.2	99.2	99.3	99.3
300		4.3	85.4	91.9	95.2	96.0	97.5	98.1	98.1	98.4	99.1	99.1	99.3	99.3	99.5	99.5
200		4.3	85.4	92.0	95.3	96.0	97.5	98.1	98.1	98.4	99.1	99.1	99.3	99.3	99.5	99.5
100		4.3	85.4	92.0	95.3	96.0	97.5	98.1	98.1	98.4	99.1	99.1	99.3	99.3	99.5	99.5
0		3.2	85.4	92.0	95.3	96.0	97.5	98.1	98.1	98.4	99.1	99.1	99.3	99.3	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¾	≥ 0
NO CEILING		42.0	61.2	68.6	71.2	71.2	72.2	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.8	72.8
≥ 20000		2.1	73.5	83.2	86.1	86.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.7	87.7
18000		2.1	72.5	83.2	86.1	86.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.7	87.7
16000		2.1	72.5	83.2	86.1	86.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.7	87.7
14000		2.1	72.5	83.2	86.1	86.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.7	87.7
12000		2.1	73.1	83.8	86.7	86.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.4	88.4
10000		3.7	73.1	86.7	87.7	89.7	90.3	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.9	90.9
9000		3.7	73.4	86.4	89.6	89.6	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9	91.3	91.3
8000		4.4	73.4	87.7	90.9	90.9	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.6	91.6
7000		4.4	73.4	87.7	91.3	91.3	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6	93.0	93.0
6000		4.4	73.4	88.0	91.7	91.7	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6	93.0	93.0
5000		4.4	73.4	88.0	91.3	91.3	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6	93.0	93.0
4500		4.4	73.4	88.0	91.3	91.3	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6	93.0	93.0
4000		4.4	73.4	88.0	91.3	91.3	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6	93.0	93.0
3500		4.7	73.7	88.4	91.6	91.6	92.6	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.5	93.5
3000		4.7	73.4	88.4	92.2	92.2	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	94.0	94.0
2500		4.7	73.7	88.4	93.2	93.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	95.0	95.0
2000		4.7	73.6	88.6	94.7	94.7	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	96.0	96.0
1800		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
1600		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
1400		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
1200		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
1000		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
900		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
800		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
700		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
600		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
500		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
400		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
300		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
200		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
100		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3
0		4.7	73.6	88.6	95.2	95.2	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

71-92

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY  
HOURS 11 5 T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 20000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 18000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 16000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 12000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 10000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 5000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4500	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2500	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1800	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1500	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1200	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 900	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 800	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 700	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 600	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 500	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 400	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 300	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 200	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 100	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 0	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		1.0	3.0	4.0	5.0	2.0	5.0	5.0	5.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
18000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	72.0	73.0	73.0	73.0	73.0	73.0	73.0
16000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	72.0	73.0	73.0	73.0	73.0	73.0	73.0
14000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	74.0	75.0	75.0	75.0	75.0	75.0	75.0
12000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0
10000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0
9000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
8000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
7000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
6000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
5000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
4500		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
4000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
3500		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
3000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
2500		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
2000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
1800		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
1500		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
1200		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
1000		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
900		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
800		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
700		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
600		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
500		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
400		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
300		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
200		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
100		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0
0		2.0	4.0	5.0	6.0	2.0	6.0	5.0	5.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	77.1	46.8	31.1	20.7	13.7	9.1	6.1	4.1	3.1	2.1	1.6	1.1	0.7	0.5	0.3	0.1
≥ 20000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 18000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 16000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 14000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 12000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 10000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 9000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 8000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 7000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 6000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 5000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 4500	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 4000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 3500	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 3000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 2500	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 2000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 1800	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 1500	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 1200	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 1000	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 900	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 800	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 700	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 600	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 500	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 400	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 300	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 200	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 100	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0
IV 0	50.4	29.7	19.2	13.2	8.2	5.2	3.2	2.2	1.7	1.2	0.8	0.5	0.3	0.2	0.1	0.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: JUL  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (LST): 17

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	76.4	51.7	31.3	31.0	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 20000	76.4	42.3	41.3	41.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 18000	77.1	42.7	41.6	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 16000	77.1	42.7	41.6	42.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 14000	77.4	41.7	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 12000	74.7	41.2	44.2	44.8	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 10000	44.2	42.4	45.7	50.5	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 9000	46.7	42.4	44.7	50.5	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 8000	46.4	51.0	53.9	54.5	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 7000	47.1	51.2	54.5	55.2	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 6000	47.1	52.2	54.5	55.7	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 5000	47.1	52.2	54.5	55.7	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 4500	47.4	52.9	54.8	55.5	55.2	55.2	55.2	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 4000	47.4	52.3	54.8	57.4	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 3500	51.7	57.3	58.7	61.0	61.0	61.0	61.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 3000	52.9	72.3	75.2	76.1	76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 2500	53.1	81.3	83.6	84.4	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2000	54.2	84.8	89.1	89.4	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1800	54.0	84.8	89.1	89.4	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1500	70.1	89.7	92.3	93.6	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	73.1	89.7	92.3	93.6	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1000	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 900	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 400	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 300	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 200	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 100	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 0	74.1	89.7	93.2	95.2	95.3	95.3	95.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS: 317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: JUL  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS IN DAY: 18

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
18000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
16000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
14000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
12000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
10000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
9000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
8000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
7000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
6000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
5000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
4500	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
4000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
3500	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
3000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
2500	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
2000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
1800	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
1500	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
1200	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
1000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
900	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
800	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
700	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
600	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
500	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
400	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
300	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
200	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
100	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5

TOTAL NUMBER OF OBSERVATIONS: 18

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV 61 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: MC CORMICK FIELD, FL YEAR: 1955 MONTH: JUN  
 STATION: 14-00 HOURS (L.S.T.): 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.1	41.1	51.6	57.6	2.6	52.9	53.2	53.7	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 18000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 16000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 12000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 10000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 5000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4500	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2500	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1800	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1500	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1200	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1000	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 900	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 800	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 700	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 600	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 500	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 400	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 300	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 200	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 100	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 0	65.5	71.6	73.5	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.4	54.7	61.0	67.3	74.6	81.9	89.2	96.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-42

YEARS

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON ILLUM.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ 4	≥ 0
NO CEILING		47.7	61.4	71.7	77.4	72.0	73.2	77.0	73.0	73.0	71.0	73.0	73.0	73.0	73.0	71.0
≥ 20000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 18000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 16000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 14000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 12000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 10000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 9000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 8000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 7000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 6000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 5000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 4500		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 4000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 3500		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 3000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 2500		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 2000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 1800		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 1500		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 1200		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 1000		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 900		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 800		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 700		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 600		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 500		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 400		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 300		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 200		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
≥ 100		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0
0		3.4	71.7	81.9	85.2	5.2	86.5	6.9	85.7	86.8	82.1	7.1	7.1	2.4	27.4	7.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.4	51.1	41.7	35.7	25.5	27.4	7.7	77.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.7
≥ 20000	1.5	61.7	75.2	83.6	84.2	86.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 18000	1.5	61.7	75.2	83.6	84.2	86.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 16000	1.5	61.7	75.2	83.6	84.2	86.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 14000	1.5	61.7	75.2	83.6	84.2	86.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 12000	1.5	61.7	75.2	83.6	84.2	86.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 10000	2.6	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 9000	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 8000	6.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 7000	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 6000	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 5000	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4500	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4000	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3500	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 800	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 400	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 300	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 200	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 100	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 0	4.2	63.2	77.4	86.5	87.1	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS

31

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		11.4	34.1	44.5	50.1	55.1	60.3	63.4	63.7	65.8	66.8	66.3	66.3	66.3	67.1	67.7
≥ 20000		1.0	3.4	52.3	63.2	55.5	64.1	72.6	72.6	74.8	75.4	75.9	75.5	75.4	76.5	77.1
IV 18000		1.0	3.4	52.6	63.0	55.8	64.4	72.9	72.9	75.2	76.1	76.1	76.1	76.1	76.4	77.1
IV 16000		1.0	3.4	52.6	63.0	55.8	64.4	72.9	72.9	75.2	76.1	76.1	76.1	76.1	76.4	77.1
IV 14000		2.3	4.3	53.2	64.2	56.5	64.1	73.4	73.4	76.5	76.1	76.3	76.5	76.5	77.4	77.1
IV 12000		2.3	4.3	53.6	64.5	56.8	64.4	73.7	73.7	76.8	77.1	77.1	77.1	77.1	77.7	77.1
IV 10000		24.2	43.2	57.1	67.4	70.7	74.2	77.1	77.1	81.8	82.9	82.9	82.9	82.9	83.6	84.1
IV 9000		24.2	43.2	57.1	67.4	70.7	74.2	77.1	77.1	81.8	82.9	82.9	82.9	82.9	83.6	84.1
IV 8000		25.0	47.0	61.0	71.7	75.5	79.7	84.5	84.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4
IV 7000		26.1	47.0	61.7	73.2	75.9	79.7	84.5	84.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 6000		26.1	47.0	61.7	73.2	75.9	79.7	84.5	84.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 5000		27.1	47.1	61.6	73.6	76.1	80.3	85.2	85.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500		27.1	47.1	61.6	73.6	76.1	80.3	85.2	85.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000		28.0	47.1	62.6	74.5	77.1	81.3	86.1	86.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500		27.1	47.4	62.9	74.9	77.4	81.7	86.1	86.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000		27.1	47.4	62.9	74.9	77.4	81.7	86.1	86.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500		27.1	47.4	63.2	76.1	78.7	83.2	88.1	88.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000		27.1	47.4	63.2	76.1	78.7	83.2	88.1	88.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800		27.1	47.4	63.2	76.1	78.7	83.2	88.1	88.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1500		27.4	47.7	64.2	77.1	79.7	84.2	89.0	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200		27.4	47.7	64.2	77.1	79.7	84.2	89.0	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000		27.7	47.7	64.8	77.7	80.7	85.2	90.3	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900		27.7	47.7	64.8	77.7	80.7	85.2	90.3	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 800		27.7	47.7	65.5	78.4	81.6	86.1	91.3	91.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700		27.7	47.7	65.5	78.4	81.6	86.1	91.3	91.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 600		27.7	47.7	65.5	78.4	81.6	86.1	91.3	91.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 500		27.7	47.7	65.5	78.4	81.6	86.1	91.3	91.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 400		27.7	47.7	65.5	78.4	81.6	86.1	91.3	91.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 300		27.7	47.7	65.5	78.4	81.6	86.1	91.3	91.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200		27.7	47.7	65.5	78.4	81.6	86.1	91.3	91.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 100		27.7	47.7	65.5	78.4	81.6	86.1	91.3	91.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 0		27.7	47.7	65.5	78.4	81.6	86.1	91.3	91.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
1954

STATION NAME  
WHITING FIELD, FL

YEAR  
1954

MONTH

YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.4	52.3	53.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000		49.4	59.7	61.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 18000		49.7	59.7	61.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000		49.0	59.3	62.3	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 14000		49.0	59.3	62.3	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 12000		51.1	62.5	64.2	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000		51.1	62.7	64.7	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 9000		50.5	68.4	70.3	71.9	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 8000		49.4	72.6	74.8	77.1	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000		49.4	72.6	75.2	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 6000		50.7	72.9	75.5	77.7	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000		50.1	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4500		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4000		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3500		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3000		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2500		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2000		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 1800		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 1500		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 1200		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 1000		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 900		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 800		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 700		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 600		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 500		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 400		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 300		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 200		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 100		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 0		50.0	73.2	75.6	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION: MITCHELL FIELD, FL YEARS: 73-92 MONTH: ALL  
 STATION NAME: MITCHELL FIELD, FL HOURS (L & T): 1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	76.1	31.3	32.9	32.7	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 18000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 16000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 14000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 12000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 10000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 9000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 8000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 7000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 6000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 5000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 4500	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 4000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 3500	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 3000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 2500	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 2000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 1800	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 1500	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 1200	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 1000	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 900	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 800	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 700	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 600	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 500	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 400	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 300	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 200	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 100	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 0	76.1	43.2	45.2	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 14000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 10000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 9000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 8000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 7000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 6000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 5000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 4500	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 4000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 3500	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 3000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 2500	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 2000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 1800	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 1500	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 1200	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 1000	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 900	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 800	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 700	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 600	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 500	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 400	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 300	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 200	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 100	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 0	43.7	51.8	51.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 20000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 18000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 16000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 14000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 12000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 10000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 9000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 8000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 7000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 6000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 5000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4500	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3500	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 2500	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 2000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 1800	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 1500	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 1200	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 1000	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 900	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 800	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 700	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 600	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 500	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 400	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 300	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 200	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 100	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 0	77.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: DAVIDSON FIELD, NC STATION:                      YEARS:                      MONTH:                       
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L & T):                     

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	44.0	57.0	70.1	50.1	73.0	50.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 18000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 14000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1200	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1000	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 900	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 800	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 700	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 600	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 500	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 400	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 300	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 200	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 100	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 0	50.0	50.0	70.0	77.4	72.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS:                     

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		4.6	58.7	73.3	67.9	77.7	62.7	64.7	69.7	57.3	69.7	63.3	57.3	69.7	69.7	7.0
≥ 20000		4.6	67.3	73.3	74.7	74.7	74.7	79.3	74.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 18000		4.6	67.3	73.3	74.7	75.3	74.7	79.3	74.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 16000		4.6	67.3	73.3	74.7	74.7	74.7	79.3	74.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 14000		4.6	67.3	73.3	74.7	74.7	74.7	79.3	74.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 12000		4.6	67.3	73.3	74.7	74.7	74.7	79.3	74.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 10000		4.6	72.7	73.3	87.7	84.7	85.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 9000		4.6	72.7	73.3	83.7	84.7	85.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 8000		4.6	74.7	81.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 7000		4.6	74.7	82.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 6000		4.6	77.7	82.7	87.7	88.7	89.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 5000		4.6	77.7	83.3	87.3	88.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500		4.6	77.7	83.7	86.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000		4.6	77.7	84.3	86.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3500		4.6	77.7	84.7	86.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000		4.6	77.7	84.3	89.3	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2000		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1500		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 900		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 800		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 700		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 600		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 500		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 400		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 300		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 200		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 100		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 0		4.6	77.7	85.3	89.7	89.7	89.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NUMBER: 71-71 YEARS: 1947-1950 MONTH: 1 HOURS (L & Y): 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 20000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 18000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 16000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 14000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 12000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 10000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 9000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 8000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 7000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 6000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 5000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4500	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3500	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2500	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1800	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1500	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1200	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1000	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 900	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 800	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 700	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 600	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 500	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 400	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 300	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 200	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 100	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 0	70.7	55.0	46.3	37.7	27.7	17.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS: 6

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		0.0	1.0	1.0	4.0	4.0	4.0	11.0	11.0	12.0	53.0	51.0	49.0	54.0	54.0	61.0
≥ 20000		0.0	3.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
18000		0.0	3.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
16000		0.0	3.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
14000		0.0	3.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
12000		0.0	3.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
10000		0.0	3.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
9000		0.0	3.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
8000		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
7000		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
6000		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
5000		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
4500		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
4000		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
3500		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
3000		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
2500		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
2000		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
1800		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
1500		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
1200		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
1000		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
900		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
800		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
700		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
600		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
500		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
400		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
300		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
200		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
100		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0
0		0.0	4.0	4.0	4.0	5.0	5.0	57.0	60.0	60.0	62.0	62.0	61.0	63.0	63.0	61.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME  
ASHEVILLE, NC

75-1

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	43.7	51.7	53.7	55.7	56.7	58.7	58.3	54.3	56.7	56.3	54.3	52.7	51.7	54.3	56.3	56.3
≥ 20000	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 12000	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 9000	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 8000	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 7000	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 6000	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 5000	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 4500	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 4000	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 3500	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 3000	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 2500	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 2000	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 1800	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 1500	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 1200	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 1000	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 900	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 800	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 700	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 600	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 500	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 400	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 300	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 200	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 100	44.7	54.7	56.7	60.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 0	49.7	57.7	59.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: WINDY FIELD, FL

YEARS: \_\_\_\_\_

MONTH: \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	42.7	45.3	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	42.7	45.3	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
18000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
16000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
14000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
12000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
10000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
9000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
8000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
7000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
6000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
5000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
4500	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
4000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
3500	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
3000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2500	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1800	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1500	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1200	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1000	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
900	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
800	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
700	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
600	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
500	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
400	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
300	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
200	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
100	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
0	42.7	45.3	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS

240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

CHATTANOOGA FIELD, FL

STATION NAME

73-47

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 18000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 16000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 14000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 12000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 10000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 9000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 8000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 7000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 6000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 5000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 4500		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 4000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 3500		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 3000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 2500		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 2000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 1800		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 1500		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 1200		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 1000		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 900		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 800		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 700		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 600		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 500		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 400		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 300		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 200		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 100		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 0		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	75.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 20000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 18000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 16000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 14000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 12000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 10000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 9000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 8000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 7000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 6000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 5000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 4500	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 4000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 3500	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 3000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 2500	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 2000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 1800	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 1500	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 1200	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 1000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 900	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 800	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 700	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 600	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 500	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 400	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 300	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 200	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 100	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3

TOTAL NUMBER OF OBSERVATIONS

500

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC  
 YEAR: 1954  
 MONTH: 1  
 HOURS: 15

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	54.7	54.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 18000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 14000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1200	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1000	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 900	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 800	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 700	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 600	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 500	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 400	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 300	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 200	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 100	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 0	67.7	67.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: WITTING FIELD, FL STATION NAME: YEARS: MONTH: YEAR: HOURS (L & T):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 3/16	≥ 0
NO CEILING	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 20000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 18000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 16000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 14000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 12000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 10000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 9000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 8000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 7000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 6000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 5000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 4500	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 4000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 3500	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 3000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 2500	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 2000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 1800	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 1500	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 1200	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 1000	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 900	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 800	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 700	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 600	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 500	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 400	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 300	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 200	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 100	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 0	47.0	55.0	51.7	62.9	43.5	64.3	44.0	64.6	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC YEARS: 1951-52 MONTH: NOV  
 STATION: ASHEVILLE, NC HOURS (L.S.T.): 0000-2359

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	0.0	4.5	7.0	73.2	74.5	74.0	75.5	75.5	75.5	71.0	73.5	73.5	70.1	70.1	76.8	77.0
≥ 20000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 18000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 16000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 14000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 12000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 10000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 9000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 8000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 7000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 6000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 5000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 4500	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 4000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 3500	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 3000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 2500	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 2000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 1800	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 1600	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 1400	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 1200	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 1000	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 900	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 800	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 700	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 600	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 500	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 400	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 300	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 200	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 100	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3
≥ 0	0.0	0.1	74.6	71.4	79.0	79.0	80.3	80.3	80.3	81.7	81.7	81.7	81.3	81.3	81.5	82.3

TOTAL NUMBER OF OBSERVATIONS: 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

DATE

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	65.7	66.6	62.7	70.7	71.2	72.6	74.2	73.5	73.6	74.8	74.3	77.8	75.8	76.1	76.1	76.1
≥ 20000	59.7	70.1	70.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 18000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 16000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 14000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 12000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 10000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 9000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 8000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 7000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 6000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 5000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 4500	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 4000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 3500	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 3000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 2500	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 2000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 1800	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 1500	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 1200	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 1000	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 900	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 800	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 700	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 600	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 500	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 400	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 300	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 200	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 100	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0
IV 0	60.7	70.0	72.3	74.2	74.3	76.1	76.8	76.8	77.4	78.7	79.7	79.7	79.7	80.0	80.0	80.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: WILLIAMS FIELD, OH YEAR: 71 MONTH: 11  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		41.0	40.4	50.7	50.4	5.0	51.7	40.3	42.3	42.6	43.0	41.0	40.0	44.0	44.0
≥ 20000		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 18000		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 16000		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 14000		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 12000		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 10000		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 9000		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 8000		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 7000		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 6000		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 5000		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 4500		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 4000		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 3500		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 3000		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 2500		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 2000		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 1800		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 1500		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 1200		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 1000		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 900		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 800		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 700		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 600		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 500		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 400		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 300		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 200		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 100		4.0	53.0	51.7	61.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4
IV 0		4.0	53.0	50.7	62.0	12.0	65.0	67.4	67.4	65.1	65.4	67.4	67.4	67.4	67.4

TOTAL NUMBER OF OBSERVATIONS: 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY T.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
≥ 20000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
18000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
16000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
14000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
12000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
10000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
9000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
8000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
7000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
6000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
5000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
4500	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
4000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
3500	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
3000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
2500	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
2000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
1800	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
1500	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
1200	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
1000	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
900	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
800	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
700	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
600	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
500	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
400	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
300	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
200	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
100	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1
0	100.0	65.8	41.7	25.0	12.5	5.9	2.9	1.2	0.7	0.3	0.2	0.1	0.1	0.1	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: 1 HOURS: 15

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WINDY FIELD, FL

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		4.7	6.5	64.8	64.8	14.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 20000		1.7	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 18000		1.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 16000		1.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 14000		3.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 12000		4.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 10000		5.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 9000		7.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 8000		11.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000		12.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 6000		12.5	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 5000		12.5	84.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 4500		13.7	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4000		15.6	86.6	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3500		16.5	87.7	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3000		16.3	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500		16.0	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 2000		16.3	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1800		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1500		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1200		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1000		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 900		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 800		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 700		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 600		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 500		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 400		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 300		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 200		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 100		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 0		16.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: WILSON FIELD, NC YEARS: 1954-55 MONTH: 1 HOURS: 11 57

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.4	67.6	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 20000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 18000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 16000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 14000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 12000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 10000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 7000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 6000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 5000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1800	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1500	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1200	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1000	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 900	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 800	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 700	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 600	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 500	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 400	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 300	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 200	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 100	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 0	77.4	77.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME: WETZEL FIELD, FL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)1  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 20000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 18000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 16000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 14000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 12000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 10000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 9000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 8000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 7000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 6000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 5000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4500	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 3500	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 3000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 2500	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 2000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1800	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1500	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1200	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1000	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 900	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 800	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 700	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 600	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 500	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 400	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 300	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 200	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 100	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 0	72.4	72.4	74.5	75.0	75.0	75.0	75.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 4741 DATE 3 FEB 61 STATION NAME 73-01 YEARS MONTH 01  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) E.L. HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	66.2	64.5	64.5	67.5	67.8	69.2	67.5	68.6	68.7	69.7	69.7	69.2	69.2	69.4	69.1
IV 20000	•	64.7	63.8	71.7	73.9	73.2	73.9	74.2	74.2	74.5	74.9	74.2	75.7	75.9	75.2	75.2
IV 18000	•	64.4	69.9	71.4	73.1	73.5	73.9	74.2	74.3	74.5	74.4	74.8	75.1	75.1	75.2	75.2
IV 16000	•	64.7	71.2	71.5	73.2	73.3	74.2	74.4	74.4	74.5	75.0	75.0	75.2	75.2	75.3	75.2
IV 14000	•	65.0	70.4	73.5	73.4	73.9	74.6	74.9	75.0	75.2	75.4	75.5	75.8	75.8	75.9	75.9
IV 12000	•	65.4	71.2	73.4	75.1	75.2	76.0	76.3	76.7	76.6	76.2	76.9	77.2	77.2	77.3	77.5
IV 10000	•	67.0	74.4	76.5	77.4	77.9	78.5	79.1	79.1	79.4	79.7	79.7	80.0	80.0	80.1	80.3
IV 9000	•	65.3	74.3	76.2	77.2	77.4	78.2	79.5	79.5	79.8	80.1	80.1	80.4	80.4	80.5	80.5
IV 8000	•	71.4	77.3	79.5	81.0	81.1	81.9	82.2	82.3	82.7	83.7	85.1	87.3	87.3	87.4	87.4
IV 7000	•	72.1	77.9	80.2	81.7	81.8	82.5	82.9	82.9	83.4	83.8	83.8	84.7	84.7	84.7	84.7
IV 6000	•	72.3	77.2	80.6	82.1	82.3	83.1	83.4	83.4	83.8	84.7	84.2	84.5	84.5	84.5	84.5
IV 5000	•	72.7	79.7	81.0	82.5	82.7	83.5	83.8	83.9	84.3	84.5	84.5	84.6	84.6	84.6	84.6
IV 4500	•	72.9	79.9	81.3	82.8	83.0	83.8	84.1	84.2	84.6	84.4	84.9	85.2	85.2	85.3	85.3
IV 4000	•	74.7	80.1	82.5	84.1	84.3	85.1	85.4	85.5	85.9	86.3	86.3	86.5	86.5	86.7	86.7
IV 3500	•	74.5	81.8	83.2	84.8	85.1	85.8	86.1	86.2	86.5	86.9	86.7	87.2	87.2	87.3	87.3
IV 3000	•	75.3	81.7	84.3	86.3	86.1	87.0	87.3	87.4	87.5	88.2	88.2	88.4	88.4	88.6	88.6
IV 2500	•	76.1	82.7	85.2	86.4	87.1	88.1	88.3	88.4	88.6	89.1	89.1	89.4	89.4	89.5	89.7
IV 2000	•	77.0	83.7	86.4	88.2	88.4	89.3	89.6	89.6	89.6	90.0	90.4	90.4	90.7	90.7	91.2
IV 1800	•	77.1	83.8	86.5	88.4	88.6	89.5	89.8	89.8	90.2	90.5	90.6	90.9	90.9	91.1	91.2
IV 1500	•	77.3	84.6	87.4	89.4	89.6	90.4	90.8	90.8	91.2	91.5	91.6	91.9	91.9	92.0	92.2
IV 1200	•	78.2	85.2	88.0	90.0	90.2	91.1	91.4	91.4	91.6	92.2	92.2	92.5	92.5	92.6	92.6
IV 1000	•	78.7	86.1	89.1	91.3	91.5	92.3	92.7	92.7	93.1	93.5	93.5	93.8	93.8	93.9	94.1
IV 900	•	78.7	86.1	89.1	91.4	91.6	92.5	92.8	92.8	93.2	93.6	93.6	93.9	93.9	94.0	94.2
IV 800	•	79.4	85.3	89.3	91.7	91.9	92.8	93.2	93.2	93.6	94.0	94.0	94.3	94.3	94.4	94.6
IV 700	•	79.4	86.6	89.7	92.2	92.4	93.4	93.7	93.9	94.2	94.5	94.5	94.6	94.6	94.6	94.6
IV 600	•	79.7	86.6	89.9	92.3	92.4	93.6	94.0	94.0	94.4	94.9	94.9	95.2	95.2	95.3	95.5
IV 500	•	79.1	86.9	90.3	92.6	92.7	93.9	94.4	94.4	94.9	95.4	95.4	95.7	95.7	95.8	96.0
IV 400	•	79.2	87.0	90.5	93.1	93.4	94.8	95.0	95.0	95.7	96.2	96.2	96.5	96.5	96.7	96.9
IV 300	•	79.3	87.1	90.7	93.6	93.9	95.3	95.9	96.7	96.9	97.5	97.5	97.8	97.8	97.9	98.1
IV 200	•	79.4	87.4	90.9	94.3	94.2	95.7	96.6	96.5	97.6	98.3	98.3	98.6	98.6	98.7	98.9
IV 100	•	79.4	87.4	90.9	94.3	94.4	95.7	96.8	96.7	97.5	98.7	98.7	99.0	99.0	99.2	99.5
IV 0	•	79.4	87.4	90.9	94.3	94.4	95.1	96.8	96.8	97.9	98.7	98.7	99.0	99.0	99.2	99.5

TOTAL NUMBER OF OBSERVATIONS 24

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: CHERRY FIELD, NC YEAR: 1964 MONTH: NOV  
 STATION: 00000 DATE: 11-1-64 HOURS (LST): 0

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	13.0	54.3	55.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	14.0	55.0	52.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 18000	15.0	56.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 16000	15.0	57.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 14000	15.0	57.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 12000	15.0	60.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 10000	15.0	61.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 9000	15.0	61.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 8000	15.0	63.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 7000	15.0	64.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 6000	15.0	64.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 5000	15.0	64.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 4500	15.0	64.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 4000	15.0	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3500	15.0	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3000	15.0	67.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 2500	15.0	67.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 2000	15.0	70.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1800	15.0	70.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1500	15.0	71.0	73.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 1200	15.0	71.0	73.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 1000	15.0	72.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 900	15.0	73.0	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 800	15.0	73.0	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 700	15.0	74.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 600	15.0	75.0	80.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 500	15.0	74.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 400	15.0	74.0	81.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 300	15.0	75.0	81.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 200	15.0	76.0	81.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 100	15.0	76.0	81.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 0	15.0	76.0	81.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0

TOTAL NUMBER OF OBSERVATIONS: 379

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-

YEARS

NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	10.7	57.3	5.3	51.7	16.7	59.7	1.2	11.7	61.7	51.7	42.7	17.7	57.7	51.7	62.7	62.7
IN 20000	2.3	51.3	59.3	61.7	60.7	52.7	42.3	42.3	44.3	44.7	44.7	44.7	64.7	65.3	66.7	66.7
IN 18000	2.3	51.3	59.3	61.7	60.7	52.7	42.3	42.3	44.3	44.7	44.7	44.7	64.7	65.3	66.7	66.7
IN 16000	12.7	51.7	59.7	61.7	61.7	62.3	52.7	52.7	54.7	54.7	54.7	54.7	64.7	65.3	66.7	66.7
IN 14000	13.3	57.3	62.3	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	65.7	65.7	66.7	66.7
IN 12000	14.7	51.7	61.7	61.7	63.3	64.7	65.7	65.7	66.7	66.7	66.7	66.7	67.7	67.7	68.7	68.7
IN 10000	15.7	51.3	62.0	63.3	63.3	65.0	65.3	65.3	65.7	65.7	65.7	65.7	67.7	67.7	68.7	68.7
IN 9000	15.7	51.3	62.0	63.3	63.3	65.0	65.3	65.3	65.7	65.7	65.7	65.7	67.7	67.7	68.7	68.7
IN 8000	15.7	51.3	62.0	63.3	63.3	65.0	65.3	65.3	65.7	65.7	65.7	65.7	67.7	67.7	68.7	68.7
IN 7000	15.7	51.3	62.0	63.3	63.3	65.0	65.3	65.3	65.7	65.7	65.7	65.7	67.7	67.7	68.7	68.7
IN 6000	17.3	57.3	65.3	65.7	66.7	68.3	68.3	68.7	68.7	71.3	71.3	71.3	71.7	71.7	72.7	72.7
IN 5000	17.3	62.7	66.0	67.3	67.3	69.0	69.3	69.3	69.3	71.3	71.3	71.3	71.7	71.7	72.7	72.7
IN 4500	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 4000	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 3500	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 3000	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 2500	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 2000	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 1800	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 1500	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 1200	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 1000	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 900	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 800	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 700	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 600	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 500	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 400	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 300	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 200	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 100	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3
IN 0	16.3	67.3	66.7	67.3	68.0	69.7	70.0	70.7	70.7	71.7	71.7	71.7	72.3	72.3	73.3	73.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WELLS FIELD, FL

15-6

YEARS

NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	40.3	41.7	43.7	47.0	47.0	49.0	49.3	49.3	49.3	50.3	50.3	51.0	51.0	52.0	54.0
≥ 20000	41.3	47.7	47.3	51.0	51.2	53.7	54.3	54.3	54.7	56.0	56.0	56.7	56.7	57.7	60.3
≥ 18000	41.3	47.7	49.3	51.0	51.3	53.7	54.3	54.3	54.7	56.0	56.0	56.7	56.7	57.7	60.3
≥ 16000	41.3	47.7	49.3	51.0	51.3	53.7	54.3	54.3	54.7	56.0	56.0	56.7	56.7	57.7	60.3
≥ 14000	41.3	47.7	49.3	51.0	51.3	53.7	54.3	54.3	54.7	56.0	56.0	56.7	56.7	57.7	60.3
≥ 12000	41.7	47.3	49.7	51.3	51.7	54.0	54.7	54.7	55.0	56.3	56.3	57.0	57.0	58.0	61.7
≥ 10000	44.3	50.3	52.7	54.3	54.7	57.0	57.7	57.7	58.0	58.7	59.7	59.7	60.3	60.3	61.3
≥ 9000	44.7	50.3	53.0	54.7	55.0	57.3	58.0	58.0	58.3	59.0	60.3	60.3	60.7	61.7	64.3
≥ 8000	46.3	55.7	55.7	57.3	58.0	60.3	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	64.3
≥ 7000	47.0	53.3	54.3	56.0	56.7	61.0	61.7	61.7	62.3	64.0	64.0	65.0	65.0	66.0	69.0
≥ 6000	47.3	54.0	57.0	58.7	59.3	61.7	62.3	62.3	63.0	64.0	64.7	65.7	65.7	66.7	69.7
≥ 5000	47.7	54.3	57.3	57.3	59.7	62.0	62.7	62.7	63.3	65.0	65.0	66.0	66.0	67.0	71.0
≥ 4500	48.3	54.7	57.7	58.7	60.3	62.7	63.3	63.3	64.0	64.7	65.7	66.7	66.7	67.7	71.0
≥ 4000	48.3	54.7	57.7	59.7	60.3	63.0	63.7	63.7	64.3	66.0	66.0	67.0	67.0	68.0	71.0
≥ 3500	48.3	57.0	58.3	60.3	60.3	63.3	64.0	64.0	64.7	66.3	66.3	67.3	67.3	68.3	71.7
≥ 3000	48.7	57.7	59.7	61.3	61.7	64.3	65.0	65.7	65.7	67.3	67.3	68.7	68.7	69.7	71.7
≥ 2500	49.3	57.7	60.3	62.7	63.3	66.0	66.7	66.7	67.3	68.0	69.0	70.3	70.3	71.7	75.0
≥ 2000	51.7	57.0	60.3	64.0	64.7	67.7	68.3	68.7	69.0	70.7	70.7	72.0	72.0	73.3	77.0
≥ 1800	51.3	57.0	62.0	64.0	64.7	67.7	68.3	68.3	69.0	70.7	70.7	72.0	72.0	73.3	77.0
≥ 1600	51.7	60.0	63.0	65.0	65.7	68.7	69.3	69.3	70.0	71.7	71.7	73.0	73.0	74.3	77.0
≥ 1400	52.3	60.7	63.7	65.7	66.3	69.3	69.3	70.0	70.7	72.3	72.3	73.7	73.7	75.0	77.0
≥ 1200	52.7	62.7	65.7	68.0	68.7	71.7	72.3	72.3	73.0	74.7	74.7	76.0	76.0	77.7	81.7
≥ 1000	53.7	62.7	65.7	68.0	68.7	71.7	72.3	72.3	73.0	74.7	74.7	76.0	76.0	77.7	81.7
≥ 900	53.7	62.7	65.7	68.0	68.7	71.7	72.3	72.3	73.0	74.7	74.7	76.0	76.0	77.7	81.7
≥ 800	54.7	64.3	67.3	69.7	70.3	73.3	74.0	74.0	74.7	76.3	76.3	77.7	77.7	79.7	81.7
≥ 700	55.3	64.3	67.3	71.0	71.7	75.0	75.7	75.7	76.3	78.0	78.0	79.7	79.7	81.7	81.7
≥ 600	56.3	64.0	70.3	72.7	73.3	76.7	77.3	77.3	78.0	79.7	79.7	81.3	81.3	83.0	87.0
≥ 500	56.3	64.0	70.3	72.7	73.3	76.7	77.3	77.3	78.0	79.7	79.7	81.3	81.3	83.0	87.0
≥ 400	56.3	64.0	70.3	72.7	73.3	76.7	77.3	77.3	78.0	79.7	79.7	81.3	81.3	83.0	87.0
≥ 300	56.3	64.0	70.3	72.7	73.3	76.7	77.3	77.3	78.0	79.7	79.7	81.3	81.3	83.0	87.0
≥ 200	56.3	64.0	70.3	72.7	73.3	76.7	77.3	77.3	78.0	79.7	79.7	81.3	81.3	83.0	87.0
≥ 100	56.3	64.0	70.3	72.7	73.3	76.7	77.3	77.3	78.0	79.7	79.7	81.3	81.3	83.0	87.0
≥ 0	56.3	64.0	70.3	72.7	73.3	76.7	77.3	77.3	78.0	79.7	79.7	81.3	81.3	83.0	87.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

YEAR

MONTH

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 0
NO CEILING		47.7	44.7	51.7	51.7	1.3	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 20000		44.7	51.7	54.7	55.7	56.0	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0
IV 18000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 16000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 12000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 10000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 9000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 8000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 7000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 6000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 5000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 4500		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 4000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 3500		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 3000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 2500		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 2000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 1800		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 1500		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 1200		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 1000		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 900		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 800		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 700		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 600		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 500		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 400		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 300		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 200		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 100		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 0		47.7	51.7	55.7	56.7	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.3	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 18000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 16000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 9000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 8000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 7000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 6000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 5000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3500	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2500	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1800	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1500	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1200	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1000	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 900	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 800	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 700	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 600	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 500	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 400	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 300	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 200	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 100	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 0	44.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
10041

STATION NAME  
ASHEVILLE, FL

DATE

YEAR

MONTH  
NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1<sup>st</sup>  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 7000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 6000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 5000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4500	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3500	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2500	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1800	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1500	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1200	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1000	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 900	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 800	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 700	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 600	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 500	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 400	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 300	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 200	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 100	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 0	59.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	57.0	54.7	54.0	55.3	59.2	57.8	59.3	59.4	59.3	59.8	59.8	59.8	59.8	59.8	59.8
≥ 20000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
18000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
16000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
14000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
12000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
10000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
9000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
8000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
7000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
6000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
5000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
4500	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
4000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
3500	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
3000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2500	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1800	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1500	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1200	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1000	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
900	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
800	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
700	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
600	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
500	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
400	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
300	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
200	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
100	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
0	53.9	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURLY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	73.7	57.1	54.7	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 18000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 16000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 12000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 10000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 9000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 8000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 7000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 6000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 5000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 4500	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 4000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 3500	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 3000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 2500	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 2000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 1800	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 1500	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 1200	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 1000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 900	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 800	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 700	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 600	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 500	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 400	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 300	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 200	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 100	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L E T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.6	57.1	56.1	54.5	54.5	55.1	55.3	55.4	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 20000	57.1	57.0	56.4	57.1	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
18000	57.7	57.7	59.5	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
16000	57.7	57.7	59.5	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
14000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
12000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
10000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
9000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
8000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
7000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
6000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
5000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
4500	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
4000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
3500	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
3000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
2500	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
2000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
1800	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
1500	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
1200	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
1000	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
900	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
800	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
700	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
600	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
500	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
400	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
300	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
200	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
100	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
0	57.7	57.7	59.7	67.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1951-52 MONTH: ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	4.4	4.4	13.5	57.7	3.5	0.7	4.2	14.7	54.2	14.5	14.5	4.7	14.7	14.7	14.7	4.7
≥ 20000	1.1	1.1	56.5	57.4	7.2	21.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 16000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 14000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 12000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 10000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 9000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 8000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 7000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 6000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 5000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4500	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 3500	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 3000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 2500	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 2000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1800	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1500	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1200	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1000	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 900	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 800	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 700	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 600	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 500	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 400	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 300	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 200	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 100	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 0	1.1	51.4	56.5	57.4	27.3	24.4	1.4	1.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.1	54.0	52.3	55.8	62.0	55.3	53.2	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	5.0	53.2	58.1	54.5	56.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IN 18000	0.7	53.2	58.1	54.5	56.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IN 16000	0.7	53.2	58.1	54.5	56.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IN 14000	1.0	53.2	58.1	54.5	56.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IN 12000	1.7	53.2	58.1	54.5	56.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IN 10000	1.0	53.2	58.1	54.5	56.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IN 9000	1.0	54.0	57.4	57.7	57.7	59.0	58.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IN 8000	4.7	57.3	43.3	67.7	60.7	61.7	61.9	61.1	62.3	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IN 7000	5.3	56.1	61.2	67.3	62.3	63.6	63.6	63.6	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IN 6000	5.3	57.7	61.2	67.3	62.3	63.6	63.6	63.6	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IN 5000	6.7	61.3	63.2	67.7	63.6	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IN 4500	7.4	61.3	64.2	68.5	64.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IN 4000	7.4	61.3	64.2	68.5	64.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IN 3500	7.4	61.3	64.2	68.5	64.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IN 3000	7.4	61.3	64.2	68.5	64.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IN 2500	1.1	61.3	64.2	68.5	64.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IN 2000	5.7	67.1	71.7	71.7	71.7	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IN 1800	5.7	70.7	74.2	71.2	75.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IN 1500	5.7	70.7	74.2	71.2	75.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IN 1200	5.7	70.7	74.2	71.2	75.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IN 1000	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 900	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 800	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 700	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 600	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 500	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 400	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 300	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 200	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 100	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 0	6.7	72.3	74.5	74.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: WAREFIELD FIELD, FL STATION NAME: YEARS: MONTH:

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
18000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
16000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
14000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
12000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
10000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
9000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
8000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
7000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
6000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
4500	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
4000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
3500	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
3000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2500	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1800	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1500	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1200	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1000	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
900	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
800	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
700	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
600	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
500	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
400	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
300	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
200	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
100	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
0	44.7	47.4	49.7	51.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: H. L. HARRIS, FL STATION NAME: YEARS: MONTH:

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
≥ 20000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
18000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
16000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
14000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
12000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
10000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
9000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
7000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
6000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
5000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
4500	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
4000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
3500	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
3000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2500	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
1800	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
1500	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
1200	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
1000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
900	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
800	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
700	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
600	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
500	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
400	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
300	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
200	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
100	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2

TOTAL NUMBER OF OBSERVATIONS 317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
17041

WHITING FIELD, FL

73-17

YEARS

MONTH  
DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING		47.4	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 20000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 18000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 16000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 14000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 12000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 9000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 8000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 7000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 6000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 5000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4500		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3500		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 2500		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 2000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1800		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1500		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1200		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1000		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 900		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 800		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 700		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 600		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 500		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 400		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 300		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 200		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 100		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 0		52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: WINTERS FIELD, FL STATION: 73-17 YEARS: 1 MONTH: 1 HOURS (L & T):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	44.5	44.5	45.2	41.2	44.7	45.2	41.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	1.6	52.6	52.9	52.7	52.7	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6
IN 18000	1.6	52.6	52.9	52.9	52.9	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6
IN 16000	1.6	52.6	53.2	53.2	53.2	53.5	53.5	53.5	53.5	53.9	53.9	53.9	53.9	53.9	53.9
IN 14000	2.6	53.6	53.9	53.9	53.9	54.2	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5
IN 12000	3.6	54.6	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8
IN 10000	4.6	55.6	56.4	56.4	56.4	56.7	56.7	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0
IN 9000	5.6	56.6	57.4	57.4	57.4	57.7	57.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0
IN 8000	6.6	57.6	58.4	58.4	58.4	58.7	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0
IN 7000	7.6	58.6	59.4	59.4	59.4	59.7	59.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0
IN 6000	8.6	59.6	60.4	60.4	60.4	60.7	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0
IN 5000	9.6	60.6	61.4	61.4	61.4	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0
IN 4500	10.6	61.6	62.4	62.4	62.4	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0
IN 4000	11.6	62.6	63.4	63.4	63.4	63.7	63.7	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0
IN 3500	12.6	63.6	64.4	64.4	64.4	64.7	64.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0
IN 3000	13.6	64.6	65.4	65.4	65.4	65.7	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0
IN 2500	14.6	65.6	66.4	66.4	66.4	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0
IN 2000	15.6	66.6	67.4	67.4	67.4	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0
IN 1800	16.6	67.6	68.4	68.4	68.4	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0
IN 1500	17.6	68.6	69.4	69.4	69.4	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0
IN 1200	18.6	69.6	70.4	70.4	70.4	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0
IN 1000	19.6	70.6	71.4	71.4	71.4	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0
IN 900	20.6	71.6	72.4	72.4	72.4	72.7	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0
IN 800	21.6	72.6	73.4	73.4	73.4	73.7	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0
IN 700	22.6	73.6	74.4	74.4	74.4	74.7	74.7	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0
IN 600	23.6	74.6	75.4	75.4	75.4	75.7	75.7	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0
IN 500	24.6	75.6	76.4	76.4	76.4	76.7	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0
IN 400	25.6	76.6	77.4	77.4	77.4	77.7	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0
IN 300	26.6	77.6	78.4	78.4	78.4	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0
IN 200	27.6	78.6	79.4	79.4	79.4	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0
IN 100	28.6	79.6	80.4	80.4	80.4	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0
IN 0	29.6	80.6	81.4	81.4	81.4	81.7	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

CEILING FIELD, FL

STATION NAME

10-70

YEARS

250

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
18000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
16000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
14000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
12000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
10000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
9000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
8000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
7000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
6000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
5000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
4500	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
4000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
3500	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
3000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
2500	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
2000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
1800	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
1500	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
1200	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
1000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
900	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
800	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
700	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
600	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
500	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
400	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
300	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
200	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
100	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1954-1955 MONTH: 1 HOURS (L & T): 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 18000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 16000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 14000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 12000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 10000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 9000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 8000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 7000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 6000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 5000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 4500	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 4000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 3500	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 3000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 2500	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 2000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1800	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1500	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1200	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 900	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 800	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 700	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 600	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 500	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 400	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 300	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 200	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 100	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION

STATION NAME  
WHITING FIELD, FL

77-

YEARS

FILE  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FILE  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		45.6	49.3	49.5	49.8	49.8	50.2	50.2	50.2	50.6	50.7	50.7	50.9	50.9	50.9	51.1
≥ 20000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 18000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 16000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 14000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 12000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 10000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 9000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 8000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 7000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 6000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 5000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 4500		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 4000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 3500		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 3000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 2500		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 2000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 1800		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 1500		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 1200		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 1000		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 900		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 800		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 700		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 600		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 500		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 400		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 300		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 200		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 100		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0
IV 0		50.7	57.0	54.3	54.6	54.7	55.0	55.1	55.1	55.5	55.5	55.5	55.7	55.7	55.8	56.0

TOTAL NUMBER OF OBSERVATIONS

247

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

DATE

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

27,278

DIRNAVOCEANMET SMOS

## 4

73-62

JAN

STATION

STATION NAME

## REBIBLIOTECAS

## MONEY

1

1

c

73-42

150

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00	31.9			17.4						14.2	36.5	5.5	282
	03	30.5			16.7						13.8	39.0	5.6	202
	06	19.1			22.3						22.7	35.8	6.3	282
	09	20.6			19.5						26.2	33.7	6.3	292
	12	20.2			24.8						24.8	30.1	6.0	282
	15	20.9			25.2						25.5	28.4	5.9	292
	18	18.1			30.1						19.1	32.6	5.9	292
	21	30.1			22.3						13.9	33.7	5.3	282
TOTALS		23.9			22.3						20.0	33.7	5.9	2256

NAVWEASERVCOM

73-92

43

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00	22.9			19.0						13.9	44.2	6.2	310
	05	21.3			18.7						14.2	45.8	6.4	310
	06	12.6			18.4						23.2	45.8	7.2	310
	09	14.5			16.8						24.8	43.9	7.1	310
	12	9.7			23.5						34.5	32.3	7.0	310
	15	9.7			26.1						29.7	34.5	6.9	310
	16	11.3			22.9						29.7	36.1	7.0	310
	21	20.6			21.6						20.3	37.4	6.2	310
TOTALS		15.3			20.9						23.8	40.0	6.8	2440

NAVWEASERVCOM



## 4

49

**MONTH**

1

2

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## SKY COVE

07441 WHITING FIELD, FL

73-42

436

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00	26.5			33.5						16.5	23.5	4.8	31
	03	22.9			28.7						23.2	25.2	5.5	31
	06	11.0			29.4						32.9	26.9	6.5	31
	09	17.1			26.8						36.4	19.4	6.0	31
	12	8.1			26.1						45.5	20.3	6.9	31
	15	6.1			27.4						42.6	27.9	7.0	31
	18	17.6			29.7						35.2	25.2	6.6	31
	21	21.9			34.8						22.6	21.6	5.2	31

NAVWEASERVCOM

AD 150 643 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
WHITING FIELD FLORIDA(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

414

F/G 4/2

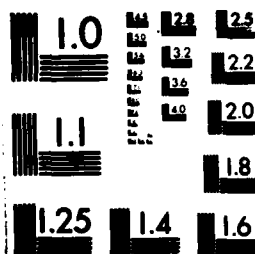
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END

100

70

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

## 4

73-82

**JUN**

STATION

STATION NAME

PERIOD

**MONTH**

1

(

## 4

73-92

JUL

STATION

STATION NAME

PERIOD

MONTH

(

(

(

# SKY COVER

93801 WHITING FIELD, FL

73-82

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00	24.2			41.0						25.5	9.4	4.5	310
	03	27.1			44.2						19.4	9.4	4.0	310
	06	6.1			51.3						31.6	11.0	5.5	310
	09	10.6			36.8						41.6	11.0	5.9	310
	12	1.0			27.4						57.1	14.5	7.4	310
	15				23.9						57.1	19.0	7.8	310
	18	2.3			20.3						54.5	22.9	7.8	310
	21	12.9			36.8						34.2	16.1	5.8	310
TOTALS		10.5			35.2						40.1	14.2	6.1	2480

NAVWEASERVCOM

# SKY COVER

93841 WHITING FIELD, FL

73-82

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00	27.0			36.0						22.0	15.0	4.6	300
	03	26.7			34.7						20.7	18.0	4.7	300
	06	13.3			34.7						32.3	19.7	5.9	300
	09	19.0			32.7						28.3	20.0	5.5	300
	12	5.7			28.0						48.0	18.3	7.0	300
	15	4.3			31.0						45.0	19.7	6.9	300
	18	6.7			33.0						37.7	22.7	6.6	300
	21	22.3			34.3						25.3	18.0	5.1	300
TOTALS		15.6			33.1						32.4	18.9	5.8	2400

NAVWEASERVCOM



# SKY COVER

93841 WHITING FIELD, FL

73-82

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00	30.6			22.3						13.2	13.9	3.2	310
	03	46.5			25.2						12.6	15.8	3.5	310
	06	27.1			33.2						21.3	18.4	4.8	310
	09	35.2			24.2						22.9	17.7	4.6	310
	12	21.9			37.1						24.8	16.1	5.0	310
	15	21.3			39.0						23.9	15.8	4.9	310
	18	25.5			39.4						21.0	14.2	4.5	310
	21	45.5			26.1						13.9	14.5	3.5	310
TOTALS		34.2			30.8						19.2	15.8	4.3	2480

NAVWEASERVCOM

# SKY COVER

STATION WHITING FIELD, FL

73-82

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00	39.3			23.3						12.7	25.7	4.4	300
	03	36.3			21.7						15.3	26.7	4.7	300
	06	25.0			24.3						22.7	28.0	5.6	300
	09	24.3			23.7						21.3	30.7	5.7	300
	12	18.7			27.7						30.7	23.0	5.9	300
	15	17.7			30.0						28.3	24.0	5.9	300
	18	23.7			29.7						24.3	22.3	5.3	300
	21	38.3			18.0						20.3	23.3	4.7	300
TOTALS		27.8			24.8						22.0	25.5	5.3	2400

NAVWEASERVCOM

# SKY COVER

93841 WHITING FIELD, FL

73-82

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00	35.5			14.5						13.2	36.4	5.3	310
	03	33.2			18.7						13.9	34.2	5.2	310
	06	24.5			25.2						16.4	33.5	5.6	310
	09	20.0			21.0						24.2	34.8	6.3	310
	12	14.5			27.4						26.5	31.6	6.4	310
	15	14.5			24.8						31.0	29.7	6.5	310
	18	18.1			27.5						23.3	31.1	6.0	309
	21	31.7			19.7						18.8	29.8	5.3	379
TOTALS		24.0			22.4						21.0	32.7	5.8	2478

NAVFASERVCOM

# SKY COVER

93001 WHITING FIELD, FL

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	20.1			19.4						19.6	41.1	6.5	2476
FEB		23.9			22.3						20.0	33.7	5.9	2256
MAR		15.3			20.9						23.8	40.0	6.8	2480
APR		21.6			24.4						26.9	27.2	5.9	2400
MAY		15.4			29.5						31.9	23.2	6.1	2490
JUN		13.5			35.8						39.0	11.8	5.7	2400
JUL		6.5			35.3						40.1	18.2	6.5	2479
AUG		10.5			35.2						40.1	14.2	6.1	2480
SEP		15.6			33.1						32.4	18.9	5.8	2400
OCT		34.2			30.8						19.2	15.8	4.3	2480
NOV		27.8			24.8						22.0	25.5	5.3	2400
DEC		24.0			22.4						21.0	32.7	5.8	2478
TOTALS		19.0			27.8						28.0	25.2	5.9	29209

NAYWEASERVCOM

NOCD, Federal Building  
Asheville, N. C.

## PART E

## PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

## DAILY TEMPERATURES

STATION 47441 MIAMI FIELD, FL STATION NAME 45-27 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
20						1.0	1.0	.4					.4
21					7.4	15.0	19.4	14.2	4.4				4.4
22			.1	1.6	13.5	56.3	63.0	63.7	34.4	3.2			2.4
23	.1		1.4	14.4	55.4	99.5	92.3	71.2	7.1	23.1	.3	.1	36.8
24	.1	1.6	11.6	49.2	84.2	77.7	99.1	78.2	68.1	52.6	17.2	1.6	49.5
25	9.5	11.6	34.3	74.0	95.4	99.7	100.0	99.9	96.3	77.9	32.2	1.7	67.7
26	23.1	23.7	58.9	89.9	99.7	100.0		100.0	99.0	90.7	55.7	28.7	77.7
27	44.8	53.9	78.2	96.5	99.9				99.8	97.1	73.0	49.9	87.8
28	58.6	70.6	89.4	99.5					100.0	99.4	85.4	66.3	97.7
29	72.6	82.7	95.1	99.9	100.0					99.9	93.8	81.1	93.9
30	84.1	91.4	98.5	100.0						100.0	98.4	90.9	97.7
31	98.3	96.5	99.7								99.5	97.6	98.6
32	98.7	99.4	99.9								99.9	99.4	99.7
33	99.3	99.8	100.0								100.0	99.9	99.9
34	99.8	100.0											100.0
35	100.0											90.0	100.0
36													
37													
38													
39													
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100													
MEAN	71.1	64.1	77.4	77.0	80.4	87.9	90.7	90.4	85.8	79.2	64.4	61.3	77.3
S.D.	10.6	7.4	8.1	6.4	5.5	4.7	4.3	4.1	5.7	6.7	8.5	9.3	13.2
TOTAL OBS.	11	125	115	102	117	110	106	119	110	103	105	112	137

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# DAILY TEMPERATURES

STATION POINT FIELD, CA STATION NAME POINT FIELD, CA YEARS 1914

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
50						12.6	17.9	18.7	4.1				1.1
51				4.1	17.9	64.5	90.5	98.0	95.2	5.3	.7	.6	27.0
52	1.1	2.7	7.8	17.6	56.1	93.1	99.5	98.0	92.4	21.0	4.6	3.1	41.7
53	4.2	6.9	19.9	42.4	62.4	99.7	100.0	100.0	93.8	45.2	15.1	8.8	52.4
54	15.3	17.1	34.7	65.3	96.1	100.0			98.7	45.4	26.1	15.6	61.4
55	28.5	30.3	50.6	82.9	99.4				99.5	91.8	86.4	27.1	7.6
56	37.9	44.5	67.9	94.4	100.0				99.8	93.9	63.9	41.9	7.5
57	53.4	62.8	84.6	99.1					100.0	99.8	79.5	59.6	21.5
58	65.3	77.3	95.6	99.9						99.9	91.4	77.1	20.7
59	74.1	80.2	98.9	100.0						100.0	98.1	9.2	96.7
60	8.1	97.5	99.8								99.9	97.9	99.1
61	17.7	99.7	99.9								100.0	96.7	95.9
62	19.3	99.9	100.0									99.8	99.9
63	99.7	100.0										99.9	100.0
64	100.0											100.0	100.0
65													
66													
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MEAN	51.0	43.6	5.0	57.6	64.5	73.4	72.7	72.3	77.7	57.6	49.7	47.0	57.5
S.D.	11.0	10.770	9.756	7.562	5.494	3.765	2.532	2.716	5.076	7.994	9.971	10.724	14.011
TOTAL OBS.	1114	1095	1145	1073	1120	1100	1086	1139	1105	1092	1090	1110	1313

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135259

4



## DAILY TEMPERATURES

1041 WHITING FIELD, FL 45-57  
 STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
30						10.2	10.0	14.5	2.6				7.7
29				1.5	15.1	62.9	81.6	78.3	42.9	2.7			24.0
28		.1	1.0	12.4	59.1	98.2	79.2	98.2	79.5	21.3	1.8	.6	39.2
27	4.1	4.4	14.6	46.5	86.5	99.5	100.0	100.0	94.4	49.5	12.2	5.0	51.7
26	13.3	15.3	33.4	72.6	96.7	100.0			98.5	73.8	29.7	14.0	62.6
25	24.1	31.2	56.6	89.2	99.4				99.7	89.7	49.4	26.2	72.4
24	42.3	49.4	75.9	97.1	100.0				100.0	97.8	69.7	44.6	81.3
23	56.3	67.1	90.4	99.6						99.5	85.7	63.6	98.6
22	72.4	83.7	97.1	100.0						100.0	95.3	82.6	94.3
21	86.4	93.2	99.3								98.8	92.9	97.6
20	95.0	97.6	99.9								99.9	98.4	99.2
19	98.1	99.8									100.0	99.7	99.8
18	99.5	100.0	100.0									99.8	99.9
17	99.9											99.9	100.0
16	100.0											100.0	100.0
15													
14													
13													
12													
11													
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5													
4													
3													
2													
1													
MEAN	1.0	4.1	20.5	55.0	74.0	80.4	81.7	81.6	77.9	68.6	59.1	53.4	67.7
S.D.	1.654	1.467	5.186	6.249	4.777	3.115	2.806	2.872	4.699	6.680	8.527	7.361	13.147
TOTAL OBS.	11	1024	1147	172	117	1100	1076	1139	1105	1072	1076	1119	1191

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 41 HIXING FIELD, FL STATION NAME 1946-1982 YEARS JANUARY MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	°F	°C	AVERAGE	EXTREME	°F	°C		AVERAGE	EXTREME	°F	°C	
1	61.0	10.8	61.1	16.2	77	25.0	1975	41.7	5.4	27	-2.8	1977
2	60.3	10.1	60.0	15.6	78	25.6	1965	40.5	4.7	21	-6.1	1979
3	60.3	11.8	63.5	17.5	77	25.0	1952	43.1	6.2	16	-8.9	1979
4	60.3	11.1	61.6	16.4	76	24.4	1972	42.4	5.8	23	-5.0	1979
5	61.2	10.7	63.8	16.7	74	23.3	1957	41.6	5.3	24	-4.4	1976
6	61.0	11.1	62.0	16.7	74	23.3	1955	41.7	5.4	25	-3.9	1959
7	61.1	10.6	61.5	16.4	75	23.9	1965	40.8	4.9	19	-7.2	1970
8	49.4	9.9	60.1	15.6	75	23.9	1965	39.5	4.2	16	-8.9	1970
9	61.3	10.7	61.4	16.3	79	26.1	1969	41.1	5.1	17	-8.3	1977
10	48.8	9.3	58.8	14.9	84	28.9	1949	38.7	3.7	16	-8.9	1962
11	48.9	9.4	58.5	14.7	85	29.4	1949	39.3	4.1	11	-12.2	1982
12	48.9	9.4	58.2	14.6	78	25.6	1980	39.6	4.2	15	-9.4	1962
13	48.9	9.9	58.9	14.2	79	25.6	1960	40.7	4.9	13	-10.6	1981
14	61.0	10.1	59.5	15.3	80	26.7	1971	40.9	4.9	20	-6.7	1944
15	61.0	11.1	62.1	16.7	78	25.6	1953	41.7	5.4	20	-6.7	1944
16	48.8	9.6	59.4	15.2	76	24.4	1950	38.9	3.6	14	-10.0	1972
17	48.5	9.2	58.4	14.7	78	25.6	1974	38.9	3.8	17	-8.3	1977
18	50.4	10.5	61.3	16.3	76	24.4	1974	40.6	4.8	17	-8.3	1948
19	61.5	10.6	60.7	15.9	78	23.3	1980	42.3	5.7	11	-11.7	1977
20	58.2	10.5	60.2	15.7	75	23.9	1980	41.6	5.3	18	-7.8	1971
21	61.5	10.8	61.3	16.3	77	25.0	1974	41.8	5.4	23	-5.0	1971
22	61.4	10.8	61.3	16.3	77	25.0	1952	41.4	5.2	20	-6.7	1961
23	62.5	11.4	62.5	16.9	80	26.7	1971	42.4	5.8	16	-8.9	1953
24	61.2	10.7	60.8	16.7	79	26.1	1971	41.6	5.3	6	-14.4	1963
25	62.6	11.4	62.7	17.1	78	25.6	1974	42.5	5.8	14	-11.0	1963
26	64.5	12.5	64.4	18.0	80	26.7	1977	44.7	7.1	29	-1.7	1977
27	64.3	12.4	64.1	17.8	77	25.0	1954	44.6	7.0	26	-3.3	1966
28	52.4	11.6	63.2	17.3	79	26.1	1974	42.3	5.7	24	-4.4	1943
29	62.5	11.4	62.9	17.2	80	26.7	1974	42.2	5.7	17	-8.3	1966
30	62.0	11.4	62.4	16.9	77	25.0	1974	42.6	5.9	12	-11.1	1966
31	62.0	11.1	61.1	16.2	78	25.6	1969	42.0	6.1	17	-6.3	1966
Monthly	61.0	10.7	61.1	16.2	85	29.4	1949	41.4	5.2	6	-14.4	1963

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

41  
STATION

WHITING FIELD, FL  
STATION NAME

1945-1982  
YEARS

FEBRUARY  
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	52.6	11.4	62.1	16.7	81	27.2	1975		43.2	6.2	24	-4.4	1981	
2	52.8	11.6	61.9	16.6	81	27.2	1969		43.8	6.6	24	-4.4	1981	
3	52.4	10.2	60.2	15.7	81	27.2	1957		40.5	4.7	12	-11.1	1951	
4	51.5	10.8	61.2	16.2	77	25.7	1957		41.7	5.4	18	-7.8	1971	
5	52.3	11.3	62.6	17.7	76	24.4	1957		41.9	5.5	26	-3.3	1972	
6	52.2	11.6	62.8	17.1	77	25.7	1957		42.9	6.1	26	-3.3	1978	
7	51.7	10.7	61.5	16.4	78	25.6	1957		41.7	5.3	26	-3.3	1978	
8	47.7	8.8	59.3	15.2	78	25.6	1969*		37.5	2.8	24	-4.4	1967	
9	51.7	11.0	61.5	16.4	77	25.7	1949		41.7	5.4	23	-5.0	1971	
10	52.3	11.3	62.6	17.0	78	25.6	1957		42.7	5.6	19	-7.2	1979	
11	52.4	11.1	63.4	17.4	78	25.6	1976		40.7	4.8	22	-5.6	1973	
12	51.6	10.9	62.2	16.8	77	25.6	1962		40.9	4.9	20	-6.7	1961	
13	51.7	11.7	63.1	17.3	82	27.8	1962		42.9	6.1	20	-6.7	1958	
14	53.2	12.2	65.1	18.4	79	26.1	1976		42.7	5.9	26	-3.3	1971	
15	50.7	13.7	66.5	19.2	77	25.7	1949		46.9	8.3	27	-2.2	1967	
16	50.1	13.4	64.9	18.3	76	24.4	1976*		47.2	8.4	26	-3.3	1963*	
17	54.5	12.5	63.7	17.6	80	26.7	1975*		45.4	7.4	23	-5.0	1978	
18	55.1	12.8	65.4	18.6	79	26.1	1975		44.9	7.2	20	-6.7	1958	
19	55.2	12.9	64.9	18.3	79	26.1	1976		45.4	7.4	26	-3.3	1958	
20	56.7	13.3	66.2	19.0	80	26.7	1967*		45.0	7.7	25	-2.2	1958	
21	55.7	13.3	67.0	19.4	80	26.7	1981		44.7	7.1	29	-1.7	1978*	
22	53.7	12.2	64.7	17.8	79	26.1	1989		43.8	6.6	24	-4.4	1963	
23	55.3	12.9	66.7	18.9	79	26.1	1980		44.6	7.0	26	-3.3	1963	
24	55.1	13.4	66.5	19.2	79	26.1	1972		45.7	7.3	25	-2.2	1964	
25	55.7	12.8	65.5	18.6	77	25.6	1977*		44.4	6.9	28	-2.2	1967	
26	55.2	12.9	66.0	18.9	80	26.7	1981*		44.5	6.9	23	-5.0	1967	
27	57.3	14.1	68.3	20.2	81	27.2	1976		46.3	7.9	24	-4.4	1963	
28	57.7	14.1	68.3	20.2	80	26.7	1976*		46.4	8.3	20	-1.1	1963	
29	57.1	14.8	69.1	20.6	83	26.3	1948		47.1	8.4	32	.7	1964	
30														
31														
Monthly	53.2	12.1	64.1	17.8	83	24.3	1948		43.6	6.4	12	-11.1	1951	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

WITING FIELD, FL

STATION NAME

1945-1962

YEARS

MONTH

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	56.7	13.8	67.4	19.7	81	26.7	1972*		46.4	8.0	27	-2.8	1980	
2	57.4	14.1	67.7	19.8	82	27.8	1971		47.7	8.7	21	-6.1	1980	
3	57.6	14.2	67.2	19.6	79	26.1	1967*		48.1	8.9	19	-7.2	1980	
4	57.6	14.2	66.9	19.4	87	26.7	1976*		48.2	9.0	26	-3.3	1960	
5	57.5	14.2	66.9	19.4	81	27.2	1981		48.2	9.0	27	-2.8	1978	
6	57.3	13.9	67.1	19.5	82	27.8	1955		46.9	8.3	26	-3.3	1961	
7	56.3	13.8	66.1	18.9	82	27.8	1974*		47.1	8.4	31	-6.6	1966	
8	56.6	13.7	66.9	19.4	84	28.9	1974		46.0	7.8	29	-1.7	1982	
9	57.4	14.1	68.1	20.1	85	29.4	1974		46.6	8.1	35	1.7	1982	
10	59.7	15.1	70.3	21.3	84	28.9	1974*		48.1	8.9	32	.0	1959	
11	61.2	16.2	71.9	21.6	86	30.0	1967		51.5	10.8	30	-1.1	1969	
12	62.2	16.8	72.2	22.3	86	30.0	1967		52.2	11.2	35	1.7	1969	
13	61.3	16.4	70.8	21.6	85	29.4	1981		52.2	11.2	35	.0	1969	
14	60.4	15.9	71.0	21.7	86	30.0	1967		50.2	10.1	30	-1.1	1960	
15	61.3	16.3	71.8	22.1	90	32.2	1967		50.8	10.4	34	1.1	1975	
16	60.7	15.7	70.6	21.4	82	27.8	1977*		50.0	10.0	36	2.2	1970*	
17	60.4	15.8	70.8	21.6	84	28.9	1963*		50.1	10.1	36	2.2	1976*	
18	61.0	16.4	72.1	22.3	85	29.4	1982		50.8	10.4	33	.6	1973	
19	60.1	16.7	72.2	22.3	82	27.8	1963*		52.0	11.1	35	1.7	1949	
20	61.3	16.4	71.3	21.8	82	27.8	1974		51.7	10.9	33	.6	1956	
21	61.1	16.2	70.9	21.6	83	28.3	1962		51.0	10.7	30	-1.1	1965	
22	60.5	15.3	71.1	21.7	83	28.3	1975		48.5	9.0	35	1.7	1965*	
23	60.4	15.8	72.6	22.6	86	30.0	1972		48.3	9.1	31	-6.6	1961	
24	61.0	16.6	72.3	22.4	85	29.4	1969		51.3	10.7	28	-2.2	1968	
25	60.0	16.7	72.6	22.6	84	28.9	1954		51.4	10.8	31	-6.6	1968	
26	60.6	15.3	69.3	20.7	70	25.6	1963*		49.9	9.9	33	.6	1955	
27	60.9	15.5	70.7	21.5	70	26.1	1945		49.1	9.5	26	-3.3	1955	
28	62.0	17.1	72.7	22.6	86	30.0	1972		52.0	11.6	35	1.7	1955	
29	60.6	18.1	74.5	23.6	86	30.0	1967		54.8	12.7	35	1.7	1955	
30	64.7	18.2	75.7	23.9	89	31.7	1946		54.4	12.4	35	3.3	1950	
31	60.7	17.6	74.2	23.4	87	30.6	1979		53.2	11.8	37	2.8	1971	
Monthly	60.2	15.7	70.8	21.3	90	32.2	1967		50.0	10.0	30	-7.2	1980	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

41 HUNTING FIELD, FL 1943-1982 APRIL  
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME	DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C
1	45.4	18.8	76.2	24.6	84	27.9	1969*		55.5	13.1	42	5.6
2	45.7	18.7	75.9	24.4	83	28.3	1961		55.6	13.1	42	5.6
3	45.8	18.8	76.4	24.7	88	31.1	1967		55.3	12.9	38	3.3
4	46.3	19.1	76.8	24.9	89	31.7	1967		55.8	13.2	38	3.3
5	46.2	19.9	73.8	23.2	84	28.9	1963*		54.5	12.5	39	3.9
6	43.6	17.6	74.6	23.7	88	31.1	1967		52.6	11.4	39	3.9
7	45.7	18.3	76.3	24.6	85	29.9	1978*		53.7	12.1	37	2.8
8	46.7	19.1	77.8	25.4	91	32.7	1967		54.7	12.6	41	5.0
9	45.4	18.8	76.7	24.8	89	31.7	1965		55.0	12.8	41	5.0
10	45.4	18.6	75.7	24.3	88	31.1	1965		55.2	12.9	37	2.8
11	46.6	19.2	77.6	25.3	89	31.7	1971*		55.6	13.1	42	5.0
12	67.0	19.4	77.7	25.7	89	31.7	1965		57.1	13.9	41	5.0
13	66.4	19.1	76.5	24.7	88	31.1	1972*		56.2	13.4	40	7.2
14	66.1	18.9	76.1	24.5	90	32.2	1972		56.2	13.4	40	4.4
15	67.0	19.4	77.7	25.4	90	32.2	1972		56.4	13.6	41	5.0
16	66.2	19.1	77.0	25.0	90	32.2	1972		55.6	13.1	39	3.3
17	66.4	19.1	77.6	25.3	90	32.2	1955		55.3	12.9	41	5.0
18	65.4	20.2	79.0	26.1	92	33.3	1967		57.4	14.1	47	8.3
19	65.9	20.8	80.1	26.7	90	32.2	1976		57.7	14.3	42	5.6
20	64.3	20.7	80.0	26.7	90	32.2	1968		53.7	14.4	41	5.0
21	70.3	21.2	80.4	26.9	90	32.2	1972*		60.0	15.6	43	6.1
22	70.5	21.4	80.6	27.2	90	32.2	1976		60.4	15.8	49	8.9
23	70.2	21.6	81.0	27.2	94	34.4	1976		60.8	16.0	47	8.3
24	70.6	21.4	79.7	26.5	88	31.1	1978*		61.6	16.4	49	9.4
25	70.3	21.3	79.9	26.6	89	31.7	1964		62.7	15.9	47	8.3
26	70.4	21.3	80.4	26.2	89	31.7	1970		60.4	15.8	46	7.8
27	70.1	21.2	80.6	27.0	89	31.7	1964		59.7	15.4	46	7.8
28	70.2	21.6	81.2	27.3	91	32.8	1971		60.5	15.8	46	7.8
29	71.2	21.8	81.3	27.4	92	33.3	1970		61.1	16.2	47	8.3
30	71.6	22.3	81.7	27.6	90	32.2	1977*		61.6	16.4	50	10.0
31												
Monthly	67.8	19.9	78.2	25.7	94	34.4	1976		57.4	14.1	32	0.0

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

41 HITING FIELD, FL 1945-1982

STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	72.4	22.4	82.4	28.5	89	31.7	1954	62.5	16.9	52	11.1	1977*
2	72.3	22.2	81.2	27.3	89	31.7	1967*	62.7	17.1	50	10.0	1963
3	71.2	21.8	81.0	27.2	89	31.7	1951	61.4	16.3	53	11.7	1971
4	71.0	21.7	81.5	27.5	92	33.3	1952	61.5	15.8	45	7.2	1971
5	71.1	21.7	82.2	27.9	92	33.3	1952	61.0	15.6	47	8.3	1954
6	71.8	22.1	82.2	27.9	93	33.9	1971	61.3	16.3	50	10.0	1968
7	72.4	22.7	83.1	29.4	92	33.3	1971*	62.8	17.1	49	9.4	1958
8	74.0	23.3	84.1	28.9	93	33.9	1977*	63.9	17.7	50	10.0	1960
9	73.3	22.9	83.9	28.8	92	33.3	1962	62.7	17.1	50	10.0	1960
10	72.4	22.4	82.9	28.3	92	33.3	1962	61.9	16.6	51	11.6	1961
11	72.5	22.6	82.3	27.9	93	33.9	1962	63.0	17.2	53	11.7	1960
12	73.7	23.2	83.4	28.6	95	35.0	1967*	64.0	17.8	42	8.9	1952
13	73.3	22.9	83.6	28.7	94	34.4	1967	63.0	17.2	46	7.8	1960
14	73.1	22.8	83.1	28.4	97	33.3	1971	63.0	17.2	54	12.2	1979*
15	73.6	23.2	84.1	28.9	93	33.9	1970*	63.4	17.4	55	12.8	1964*
16	73.8	23.2	84.2	29.0	94	34.4	1968*	63.4	17.4	51	10.6	1973
17	74.6	23.8	85.5	29.7	91	32.3	1972	64.1	17.8	53	11.7	1973
18	75.1	24.0	86.0	30.0	95	35.0	1970*	64.4	18.0	50	10.0	1945
19	76.1	24.6	86.2	30.1	96	35.6	1977*	66.2	19.0	51	11.6	1976
20	75.6	24.2	85.7	29.8	99	36.7	1962	65.5	18.6	55	12.8	1976
21	76.0	24.4	86.1	30.1	96	35.6	1971	65.9	18.8	53	11.7	1981*
22	76.9	24.9	86.9	30.5	98	36.7	1971	66.9	19.4	55	12.8	1954
23	77.0	25.0	87.0	30.6	94	35.6	1969	67.1	19.5	55	12.8	1971
24	77.2	25.1	87.7	30.9	97	36.1	1969	66.8	19.2	55	12.8	1967
25	77.1	25.1	87.1	30.6	96	35.6	1953	67.1	19.5	52	11.1	1979
26	77.1	25.1	87.2	30.7	97	36.1	1970	67.1	19.4	45	7.2	1979
27	77.3	25.3	87.4	30.8	99	37.2	1953	67.7	19.8	49	9.4	1961
28	77.8	25.4	87.4	30.8	98	36.7	1967	68.3	20.2	52	11.1	1961
29	77.1	25.1	87.4	30.8	94	34.4	1967	66.7	19.3	50	10.4	1961
30	77.1	25.6	87.9	31.1	99	37.2	1977	68.4	20.2	54	12.2	1971
31	77.0	25.5	88.1	31.2	96	35.6	1945	67.7	19.8	50	15.0	1971
Monthly	74.6	23.7	84.8	29.3	99	37.2	1977*	64.5	18.1	45	7.2	1970

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 041 WHITING FIELD, FL STATION NAME 1945-1982 YEARS JUNE MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	77.3	25.5	88.0	31.1	98	36.7	1953	67.8	19.9	55	12.8	1966
2	77.4	25.2	87.7	30.9	94	34.4	1964*	67.1	19.5	56	13.3	1972
3	77.8	25.4	88.8	31.1	95	35.0	1968*	67.6	19.8	55	12.6	1956
4	78.4	25.8	88.9	31.6	96	35.6	198	68.0	20.0	60	15.6	1954
5	78.5	25.8	88.8	31.5	98	36.7	1972	69.3	20.2	59	15.0	1954
6	79.0	26.1	89.0	31.7	104	40.0	1972	69.4	20.6	60	15.6	1954
7	79.4	26.3	89.4	31.7	103	39.4	1972	69.4	20.8	61	15.6	1982
8	79.4	26.3	89.3	31.6	99	37.2	1969	69.5	20.8	61	16.1	1977*
9	79.4	26.9	90.1	32.3	100	37.8	1963	70.7	21.5	64	17.8	1976
10	79.3	26.8	90.0	32.2	99	36.7	1966*	70.6	21.4	63	17.2	1981
11	79.2	26.6	89.7	32.1	96	35.6	1968*	70.1	21.2	62	16.7	1982
12	79.2	26.8	90.3	32.4	97	36.1	1968	70.2	21.3	58	15.0	1979
13	79.7	27.1	90.5	32.5	98	36.7	1952	70.9	21.6	57	13.9	1979
14	79.7	27.2	90.9	32.7	100	37.8	1952	71.2	21.9	63	17.2	1979
15	79.6	27.0	89.9	32.2	101	38.3	1952	71.3	21.8	66	18.9	1974
16	79.7	26.9	90.2	32.3	96	35.6	1981*	70.7	21.5	64	17.8	1979
17	79.0	26.7	89.9	32.2	96	35.6	1981*	70.2	21.2	62	16.7	1969
18	79.1	26.7	89.8	32.1	100	37.8	1970	70.4	21.3	63	17.2	1968
19	79.5	26.9	89.8	32.1	101	38.3	1970	71.1	21.7	63	17.2	1965
20	79.7	27.1	90.3	32.4	102	38.9	1970	71.1	21.7	66	18.9	1965
21	79.4	26.9	89.6	32.0	99	37.2	1964	71.1	21.7	66	18.9	1969
22	79.1	27.3	90.8	32.7	97	36.1	1969*	71.4	21.9	65	18.3	1976
23	79.1	27.3	90.3	32.4	98	36.7	1978*	71.9	22.2	63	17.2	1947
24	79.7	26.9	89.5	31.9	98	36.7	1978*	71.6	22.0	66	18.9	1974*
25	79.7	27.1	90.1	32.3	99	37.2	1967	71.3	21.8	61	15.6	1974
26	79.7	27.4	90.7	32.6	102	38.9	1976	71.8	22.1	64	17.8	1974
27	79.1	27.3	90.6	32.6	101	38.3	1952	71.6	22.1	62	16.7	1974
28	79.8	27.5	91.5	33.1	101	38.3	1969	71.5	21.9	61	15.6	1968
29	79.7	27.6	91.9	33.3	103	39.4	1954	71.6	22.0	62	16.7	1968
30	79.9	27.7	91.9	33.3	97	36.1	1947	71.9	22.2	64	17.8	1974
31												
Monthly	79.1	26.7	89.9	32.2	104	40.0	1972	70.3	21.3	55	12.8	1966

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

HITING FIELD, FL  
STATION NAME

1945-1980

YEARS

JULY

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	1.9	27.7	91.5	33.1	98	36.7	1952		72.3	22.4	65	18.3	1967	
2	2.3	27.9	92.7	33.4	99	37.2	1976		72.5	22.5	67	19.4	1981	
3	1.9	27.5	90.8	32.7	98	36.7	1969		72.3	22.4	63	17.8	1974	
4	1.8	27.6	91.0	32.8	96	35.6	1973		72.1	22.3	68	20.0	1974	
5	1.9	27.7	91.4	33.0	98	36.7	1973		72.4	22.4	60	20.0	1969	
6	2.0	27.8	91.3	32.9	97	36.1	1980		72.7	22.6	66	18.9	1972	
7	2.1	27.8	91.4	33.0	99	37.2	1969		72.8	22.7	62	16.7	1972	
8	1.2	27.3	90.4	32.4	100	37.8	1969		72.1	22.3	68	20.0	1966	
9	1.4	27.4	90.4	32.4	99	37.2	1969		72.3	22.4	65	18.3	1966	
10	0.8	27.2	90.2	32.3	99	37.2	1981		71.7	22.1	67	19.4	1966	
11	0.9	26.9	89.9	32.2	100	37.8	1980		71.1	21.7	62	16.7	1966	
12	1.5	27.7	91.5	32.9	101	38.3	1980		72.4	22.4	66	18.9	1972	
13	1.8	27.7	90.9	32.7	102	38.9	1980		72.7	22.6	66	18.9	1972	
14	1.4	27.4	90.5	32.5	104	40.0	1980		72.4	22.4	66	18.9	1972	
15	0.1	27.8	91.3	32.9	101	38.3	1980		73.0	22.8	61	16.1	1967	
16	0.1	27.8	91.7	32.8	100	37.8	1980		73.2	22.9	62	16.7	1967	
17	1.4	27.7	90.7	32.6	100	37.8	1980		72.8	22.7	63	20.0	1972	
18	1.9	27.7	90.8	32.7	100	37.8	1981		72.9	22.7	65	18.3	1967	
19	2.2	27.9	91.3	32.9	99	37.2	1981		73.1	22.8	69	20.6	1977	
20	1.4	27.4	89.9	32.2	98	36.7	1974		72.8	22.7	67	19.4	1967	
21	1.2	27.3	89.5	31.9	98	36.7	1962*		72.9	22.7	65	20.0	1967	
22	1.6	27.7	90.7	32.6	100	37.8	1976		72.8	22.7	60	20.0	1971	
23	1.7	27.6	90.6	32.6	98	36.7	1974*		72.7	22.6	64	17.8	1947	
24	1.7	27.6	90.5	32.5	104	40.0	1952		72.9	22.7	67	19.4	1963	
25	1.9	27.7	90.8	32.7	99	37.2	1969*		73.0	22.8	69	20.6	1977	
26	1.4	27.5	90.0	32.2	96	35.6	1967*		73.7	22.8	67	19.4	1963	
27	1.3	27.7	90.3	32.4	98	36.7	1981*		73.2	22.9	71	21.7	1980*	
28	1.4	27.6	90.0	32.2	99	36.7	1968		73.3	22.9	69	20.6	1970	
29	1.7	27.6	90.4	32.4	99	36.7	1974		73.0	22.8	69	20.6	1969*	
30	1.2	27.3	89.9	32.2	98	36.7	1974		72.5	22.5	69	20.0	1978*	
31	1.2	27.3	90.0	32.2	98	36.7	1962		72.5	22.5	69	20.6	1978	
Monthly	1.4	27.6	90.7	32.5	104	40.0	1980*		72.6	22.6	61	16.1	1967	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS





NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## DAILY AVERAGE/EXTREME TEMPERATURES

1941 WHITING FIELD, FL 1945-1982 AUGUST  
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	1.4	27.6	90.5	32.5	97	36.1	1970		72.6	22.6	69	20.6	1974
2	1.7	27.6	90.8	32.7	97	36.1	1962		72.6	22.6	68	20.0	1971
3	1.4	27.7	90.6	32.6	97	36.1	1951		73.1	22.8	68	20.0	1968
4	2.0	27.8	90.9	32.7	100	37.2	1947		73.2	22.9	69	20.6	1975
5	2.3	27.9	91.5	33.1	104	40.2	1947		73.1	22.8	68	20.0	1967
6	1.4	27.6	90.4	32.4	98	36.7	1970		72.8	22.7	66	18.9	1948
7	2.7	28.2	92.1	33.4	100	37.8	1956		73.4	23.0	67	19.4	1948
8	2.2	27.9	91.2	32.3	99	37.2	1968		73.2	22.9	67	19.4	1975
9	1.4	27.7	90.4	32.4	97	36.1	1968		73.2	22.9	65	18.3	1976
10	1.4	27.6	90.3	32.4	98	36.7	1969		73.0	22.8	64	17.8	1976
11	1.4	27.4	90.2	32.3	98	36.7	1954		72.5	22.5	64	17.8	1967
12	1.8	27.7	90.6	32.6	98	36.7	1954		72.0	22.8	62	16.7	1967
13	1.4	27.6	90.4	32.4	99	37.2	1954		72.7	22.6	64	17.8	1967
14	1.5	27.5	90.6	32.6	98	36.7	1948		72.3	22.4	64	17.8	1967
15	1.2	27.3	90.4	32.4	96	35.6	1976		72.1	22.3	60	18.9	1967
16	1.3	27.4	90.1	32.3	96	35.6	1976		72.4	22.4	60	20.0	1972
17	1.9	27.7	91.0	32.2	98	36.7	1952		72.7	22.6	62	20.0	1967
18	1.9	27.7	91.2	32.2	99	37.2	1952		72.6	22.6	64	20.0	1972
19	1.4	27.4	90.6	32.6	98	36.7	1972		72.1	22.3	64	17.8	1976
20	1.2	27.3	90.5	32.5	98	36.7	1980		72.0	22.2	60	20.0	1976
21	0.4	27.0	89.8	31.0	97	36.1	1980		71.8	22.1	60	18.9	1956
22	0.1	26.7	89.1	31.7	98	36.7	1980		71.0	21.7	62	16.7	1956
23	0.4	26.9	89.5	31.9	97	36.1	1955		71.4	21.9	60	16.9	1971
24	0.4	26.9	89.8	32.1	98	36.7	1976		70.9	21.6	56	18.9	1966
25	0.4	26.9	89.4	31.0	96	35.6	1963		71.4	21.9	60	18.9	1968
26	0.0	26.7	88.7	31.5	96	35.6	1965		71.4	21.9	63	17.2	1969
27	0.0	26.9	89.8	32.1	99	37.2	1969		71.2	21.8	64	17.8	1969
28	0.4	27.1	90.0	32.2	97	36.1	1969		71.5	21.9	64	17.8	1968
29	1.4	27.4	91.0	32.2	97	36.1	1974		71.8	22.1	60	15.6	1968
30	1.3	27.4	90.7	32.4	99	37.2	1954		72.0	22.2	60	15.6	1968
31	1.3	27.4	90.6	32.6	100	37.8	1964		71.9	22.2	60	15.6	1966
Monthly	1.7	27.4	90.4	32.4	104	40.2	1947		72.3	22.4	60	15.6	1968

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	° F	° C	° F	° C	° F	° C	DATE	° F	° C	° F	° C	DATE
1	70.3	27.1	82.9	32.2	95	35.6	1964	71.6	22.0	62	16.7	1962
2	70.3	27.1	82.9	32.2	97	36.1	1964	71.5	21.9	62	16.7	1968
3	70.6	26.4	88.5	31.4	96	35.6	1964	70.8	21.6	63	17.2	1952
4	70.0	25.7	88.6	31.4	96	35.6	1954	71.3	21.8	63	17.2	1974
5	70.0	26.7	88.4	31.3	97	36.1	1981	71.7	22.1	63	17.2	1974
6	70.3	26.4	87.9	31.1	97	36.1	198	71.1	21.7	63	17.2	1953
7	70.3	26.2	87.9	31.1	96	35.6	1984	70.4	21.3	61	16.1	195
8	70.3	26.4	88.5	31.4	97	36.1	1980	70.5	21.4	61	16.1	195
9	70.3	26.1	87.8	31.0	97	36.1	1980	70.3	21.3	63	17.2	1964
10	70.4	25.9	87.4	30.9	97	36.1	1980	69.8	21.0	54	13.3	1956
11	70.4	25.9	88.1	31.2	97	35.7	1980	69.2	20.7	56	13.3	1976
12	70.4	25.8	87.0	30.6	95	35.7	1962	69.8	21.0	54	14.4	1969
13	70.8	25.8	86.4	30.2	95	35.7	1980	69.2	20.7	57	13.9	1969
14	70.6	25.3	86.7	30.4	96	35.6	1980	69.5	20.3	54	14.4	1971
15	70.7	25.3	86.4	30.2	96	35.6	1980	68.6	20.3	60	15.6	1976
16	70.7	25.2	86.0	30.0	96	35.6	1972	68.9	20.5	65	17.8	1961
17	70.7	25.4	86.3	30.2	95	35.7	1972	69.1	20.6	54	13.3	1961
18	70.7	25.4	86.4	30.2	97	36.1	1972	68.9	20.5	60	17.0	1941
19	70.7	25.3	86.8	30.4	97	36.1	1972	68.2	20.1	60	16.9	1961
20	70.7	25.6	87.6	30.7	98	36.7	1972	68.5	20.3	60	17.4	1961
21	70.7	25.3	86.4	30.2	95	35.7	1970	69.6	20.3	54	17.2	1961
22	69.7	24.8	85.7	29.8	94	34.4	1963	67.7	19.8	61	10.6	1962
23	69.4	24.2	85.2	29.6	95	35.7	1972	65.4	18.8	61	10.6	1992
24	69.7	24.3	84.9	29.4	93	33.7	1980	66.5	19.2	61	11.1	1975
25	69.4	24.1	85.0	29.4	92	33.3	1980	65.9	19.0	61	11.6	1975
26	69.6	24.2	84.5	29.2	95	35.7	1947	66.6	19.2	60	9.4	1975
27	69.2	24.1	84.0	28.9	94	34.4	1972	66.6	19.2	60	9.4	1975
28	69.8	23.8	84.2	29.7	94	34.4	1972	65.4	18.6	63	11.7	1975
29	69.3	23.3	83.3	29.5	97	35.7	1968	64.8	18.2	43	6.1	1967
30	69.2	22.9	82.6	28.1	93	33.7	1968	63.9	17.7	42	5.6	1967
31												
Monthly	70.6	25.3	86.6	30.3	98	36.7	1972	68.7	20.4	62	5.6	1967

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 41 HITTER FIELD, FL STATION NAME 1945-1982 YEARS 1945-1982 MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	73.7	23.2	3.6	28.7	93	33.7	1968	63.5	17.7	46	7.8	1972
2	74.7	23.3	4.4	29.1	90	32.2	1977*	63.5	17.5	46	7.8	1966
3	72.3	22.4	2.7	29.2	93	33.7	1968	61.0	16.6	46	7.8	1974
4	71.4	22.2	2.9	29.3	91	32.2	1969*	60.9	16.1	43	6.1	1974
5	71.4	22.2	2.3	27.9	92	33.3	1954	61.7	16.5	46	7.8	1974
6	71.4	22.2	2.1	27.8	93	33.3	1951	61.6	16.4	45	7.2	1974
7	70.7	21.5	2.4	26.9	91	32.2	1967	61.9	16.1	43	6.1	1964
8	70.4	21.3	2.7	27.1	91	32.2	1969	61.1	15.6	44	6.7	1964
9	70.8	21.6	2.9	27.7	91	32.2	1968*	59.7	15.4	43	6.1	1964
10	70.1	21.2	2.1	27.3	90	32.2	1968	59.2	15.1	40	7.8	1971
11	70.1	21.2	1.4	27.4	90	32.2	1978*	58.8	14.9	40	4.4	1971
12	70.1	21.2	2.1	27.8	91	33.3	1969	58.4	14.7	44	6.7	1971
13	70.7	21.5	2.7	27.6	91	32.2	1969	59.6	15.3	45	7.2	1977
14	69.5	20.8	2.7	27.1	91	32.2	1972*	58.2	14.6	42	5.6	1977
15	69.7	20.4	2.4	26.3	89	31.7	1973*	57.9	14.4	40	4.4	1976
16	69.5	20.3	2.9	26.1	89	31.7	1972	58.2	14.6	45	7.2	1974
17	69.4	20.3	2.3	26.3	91	32.2	1972	57.9	14.4	42	5.6	1978
18	67.7	19.9	2.0	26.1	89	31.7	1964	56.7	13.7	44	6.7	1977
19	66.1	18.9	2.8	24.0	86	30.0	1979*	55.3	12.9	44	6.7	1967
20	59.7	15.4	2.0	24.4	88	31.1	1969	54.3	12.4	41	4.4	1981
21	66.3	19.1	2.6	25.3	91	32.2	1963	55.7	12.8	39	3.9	1976
22	67.1	19.5	2.2	25.7	91	32.2	1963	56.1	13.4	42	5.6	1976
23	67.7	19.8	2.3	25.7	91	32.2	1978	57.1	13.9	46	7.8	1976
24	59.7	18.7	2.6	24.2	85	29.4	1975	55.8	13.2	42	5.6	1970
25	49.0	17.8	2.4	23.6	86	30.0	1975	53.5	11.9	31	3.3	1982
26	70.7	20.3	2.7	24.3	84	28.9	1973*	51.8	11.7	27	2.8	1968
27	49.6	18.1	2.9	24.9	85	29.4	1978	52.3	11.3	26	2.2	1957
28	44.7	17.8	2.9	23.8	84	31.1	1963	53.1	11.7	33	.6	1957
29	43.3	17.4	2.3	23.3	84	28.9	1978*	52.6	11.4	17	2.8	1952
30	54.7	18.7	2.1	23.9	86	30.0	1972	54.6	12.6	38	3.3	1952
31	55.7	18.8	2.6	24.2	85	29.4	1961	54.4	12.4	24	3.3	1954
Monthly	69.4	20.2	2.2	26.2	93	33.7	1968*	57.6	14.2	23	.6	1957

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## DAILY AVERAGE/EXTREME TEMPERATURES

41 411111 FIELD, FL 1945-1972 N 25 E  
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	4.6	18.1	76.4	24.7	86	30.0	1950	52.4	11.6	32	.	1957
2	5.4	17.4	73.9	23.3	93	28.9	1982	52.4	11.6	32	.	1946
3	41.6	16.6	73.9	22.7	84	28.9	1972	50.8	10.7	24	-4.4	1966
4	50.8	15.4	7.1	21.2	84	28.9	1986	49.6	9.8	30	-1.1	1966
5	1.1	15.6	7.7	21.0	86	3.0	1975	49.6	9.8	33	.6	1982
6	50.4	15.2	70.5	21.4	70	26.1	1978	48.3	9.1	32	.	1922
7	5.6	15.3	70.8	21.4	82	27.4	1975	48.4	9.1	20	-1.7	1959
8	50.7	14.8	69.9	21.1	81	27.2	1973	47.6	8.7	7	-1.1	1971
9	5.4	15.7	70.4	21.3	82	27.4	1965	50.7	10.1	3	-1.1	1974
10	50.6	15.3	70.4	21.3	41	27.0	1946	48.6	9.4	36	2.2	1965
11	50.7	15.3	7.7	21.0	82	27.4	1975	48.3	9.1	33	.6	1971
12	50.8	15.4	71.1	21.7	82	27.8	1944	46.5	9.0	32	.0	1968
13	50.8	15.4	69.9	21.1	32	27.8	1967	49.6	9.	30	-1.1	1989
14	50.7	15.4	7.7	21.0	83	25.7	1955	49.	9.4	30	-1.1	1959
15	50.6	15.3	69.8	21.	42	27.8	1984	49.3	9.6	30	-1.3	196
16	0.	15.8	71.9	22.2	81	27.2	1978	49.2	9.6	32	.	1969
17	0.	15.7	70.4	21.3	91	27.2	1969	5.1	10.1	30	-1.1	1977
18	5.4	15.4	70.3	21.3	80	25.7	1969	49.2	9.6	27	-2.6	1951
19	5.6	15.3	69.9	21.1	40	26.7	1970	49.2	9.6	29	-1.7	1951
20	50.7	14.8	67.0	19.4	70	26.1	1979	47.4	8.6	30	-1.1	1951
21	50.7	14.8	68.2	20.1	81	27.0	1945	46.3	7.9	31	-0.6	1941
22	50.7	13.7	67.0	19.4	37	26.7	1982	46.4	8.0	24	-1.7	1971
23	56.4	13.8	66.6	19.2	77	25.6	1967	47.1	8.4	20	-1.7	1976
24	57.7	14.3	67.8	19.9	72	27.8	1978	47.6	8.7	33	-5.0	1970
25	56.0	13.8	68.2	20.1	82	27.8	1973	45.7	7.6	32	-5.6	197
26	57.7	14.2	68.1	20.1	41	27.0	1973	46.0	8.2	27	-2.8	195
27	5.5	14.7	66.6	20.3	42	27.8	1973	46.4	9.1	31	-0.6	1974
28	50.4	13.6	65.5	18.6	40	25.7	1972	47.0	8.3	31	-0.6	198
29	51.4	11.0	61.0	16.1	30	26.7	1970	42.0	5.5	27	-2.0	1950
30	51.4	10.7	61.4	16.3	81	27.0	1967	41.2	5.1	24	-4.4	1970
31												
Monthly	50.8	14.9	69.4	20.8	86	30.0	1975	48.3	9.1	22	-5.6	197.

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 141 HIXSON FIELD, FL STATION NAME 1945-1982 YEARS D C F M A M J J A S O N D MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	2.4	11.3	63.8	17.7	79	26.1	1982	41.1	5.1	25	-3.9	1979
2	4.2	12.4	55.9	18.3	80	26.7	1982	43.4	6.6	27	-2.8	1961
3	53.1	13.4	56.5	19.2	75	25.1	1978	45.7	7.6	27	-2.8	1979
4	5.6	13.1	66.5	19.2	79	26.1	1964	44.6	7.0	27	-2.8	1979
5	54.1	12.7	66.2	18.9	80	26.7	1977	43.6	5.8	21	-0.6	1979
6	5.3	12.8	56.1	18.9	79	26.1	1967	43.9	6.6	27	-2.2	1945
7	5.2	12.6	55.6	18.7	78	25.6	1951	44.4	6.9	26	-3.3	1977
8	5.7	13.2	65.7	18.7	79	25.6	1978	45.1	7.7	24	-2.2	1965
9	4.1	12.3	64.7	19.2	82	27.8	1972	43.4	6.3	24	-4.4	1968
10	2.4	11.3	62.2	16.8	83	25.3	1972	42.7	5.9	24	-4.4	1978
11	3.3	11.6	63.6	17.6	80	26.7	1970	42.0	6.1	24	-4.4	1957
12	3.6	12.0	63.4	17.4	81	27.2	1972	43.7	6.5	11	-11.7	1962
13	3.5	11.9	62.9	17.2	85	29.4	1972	44.1	6.7	6	-14.4	1962
14	2.4	11.3	61.7	16.1	82	27.8	1967	43.1	6.6	25	-3.9	1962
15	1.5	10.9	58.7	15.9	80	26.7	1967	42.6	5.9	23	-5.0	1965
16	1.1	10.6	6.8	16.1	80	26.7	1971	41.4	5.2	23	-5.0	1951
17	57.7	10.4	41.3	16.3	81	27.2	1964	42.2	4.6	21	-6.1	1972
18	1.9	10.6	52.2	16.1	80	26.7	1967	39.8	4.3	24	-4.4	1979
19	2.0	11.4	53.3	17.4	79	26.1	1967	41.8	5.4	19	-7.2	1951
20	2.1	11.6	52.7	17.2	76	24.4	1978	42.0	6.1	20	-6.7	1981
21	1.4	12.8	52.1	16.7	80	26.7	1970	40.5	4.8	24	-4.4	1945
22	1.7	10.9	52.9	17.1	81	27.2	1948	40.7	4.6	22	-5.6	1961
23	2.4	11.3	53.0	17.2	83	28.3	1970	41.7	5.4	28	-2.2	1963
24	2.3	11.3	52.1	16.7	75	23.0	1974	40.7	5.9	24	-4.4	1963
25	2.1	11.2	52.2	16.8	77	25.1	1974	42.4	5.8	22	-5.6	1966
26	0.6	10.3	50.6	15.9	78	25.6	1982	40.7	4.8	27	-2.8	1977
27	2.1	11.2	51.7	16.5	75	23.3	1982	42.4	5.8	25	-3.9	1977
28	4.4	12.4	54.2	17.9	77	25.3	1974	44.6	7.1	29	-1.7	1981
29	4.3	12.4	53.5	17.5	79	26.1	1974	45.1	7.3	26	-3.3	1961
30	4.7	12.3	53.5	17.1	79	25.6	1974	44.9	7.2	7	-1.1	1967
31	3.5	11.9	51.8	16.6	75	25.6	1964	45.2	7.3	24	-2.2	1961
Monthly	3.1	11.7	53.3	17.4	81	29.4	1972	43.0	6.1	6	-14.4	1962

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION 40-100  
STATION NAME HICKORY FIELD, FL

YEARS

IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41	73	74	83	86	87	87	84	84	85			74	
42	74	74	87	86		87	87	104	86	86	73	86	
43			12	82	83	89	84	84			80	81	
44						86	85	89	86	87			
45				81		101	100	89	89	81			
46	77	76	80	84	89	88	85	89	87	87	77	7	100
47	76	76	83	80	81	84	84	87	83	81	83	86	
48	72	71	78	85	82	84	85	100	83	85	81		
49		71		85	89	80	86	84	84	81			
50		73	76	87	82	81	88	84	85	80	81	77	
51	73	76	76	85	82	85	83	84	83	81	83	75	87
52	73	74	81	86	81	85	88	86	82	87	81	73	80
53	69	77	80	85	89	81	86	87	83	86	81	76	80
54	75	80	83	87	88	84	86	88	85	85	75	74	88
55	74	74	84	89	83	100	86	87	84	85	80	73	100
56	73	61	80	89	86	89	88	100	87	89	80	81	100
57	79	76	83	89	83	85	88	86	87	87	80	77	80
58	77	71	82	87	84	85	89	86	84	86	80	76	80
59	77	80	80	92	88	100	86	84	83	81	82	81	100
60	76	70	84	90	86	87	89	89	85	83	84	76	80
61	70	61	85	87	87	102	100	89	84	82	82	76	102
62	80	74	83	90	88	102		89	85	81	80	80	
63	80	77	82	91	80	88	86	85	80	80	85	80	80
64	73	81	86	90	84	104	87	88	85	80	84	85	104
65	73	74	83	83	85	87	86	85	85	80	82	75	
66	80	73	85	86	92	86	88	85	80	87	84	79	86
MEAN													
S D													
TOTAL OBS.													

SMOS

## EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

0-941      WINING FIELD, FL

45-37

STATION

STATION NAME

**YEARS**

440LF DEGRLES FANSENHFIT

[illegible]

## SMOS



1967 2000 1321

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION 440 WHITING FIELD, FL STATION NAME 45-87 YEARS

WHOLE DEGREES FAHRENHEIT  
(BASED ON LESS THAN FULL MONTHS)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45										89		72	MAX TEMP DAYS
46						90				80		70	MAX TEMP DAYS
47	76				90	91				45	84		MAX TEMP DAYS
48	29				70					23	74		MAX TEMP DAYS
49		88	91				96						MAX TEMP DAYS
50		27	21				27						MAX TEMP DAYS
51	85	87		70		85			92			73	MAX TEMP DAYS
52	72	77		2		29			79			30	MAX TEMP DAYS
53	77		77					85	81	84	86	59	MAX TEMP DAYS
54	29		30					24	26	19	12	5	MAX TEMP DAYS
55	72	75	82	83	92						42	79	MAX TEMP DAYS
56	14	16	19	20	19						27	28	MAX TEMP DAYS
57	77	77	80		92			99		80		72	MAX TEMP DAYS
58	25	26	29		27			77		29		30	MAX TEMP DAYS
59							94						MAX TEMP DAYS
60							75						MAX TEMP DAYS
61												70	MAX TEMP DAYS
62	78		80									19	MAX TEMP DAYS
63	25		29								77	72	MAX TEMP DAYS
64	70										17	17	MAX TEMP DAYS
65	28												MAX TEMP DAYS
66							95						MAX TEMP DAYS
67			79				17						MAX TEMP DAYS
68			10										MAX TEMP DAYS
69							100						MAX TEMP DAYS
70													MAX TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS



## EXTREME VALUES

STATION	STATION NAME	YEARS
4	OTTIE'S FIELD, FL	45-87

[illegible]

## SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION 45-20 HITTING FIELD, FL STATION NAME 45-20 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45		27	43	44	50	67	69	50	54		71		
46	28	34	40	46	56							30	
47		27	26	48		63	64	70	55	48	76	72	
48	17							66	58		30	28	
49		29	34		59			69					
50				39	61	63	69						
51						66	71	72	63	46			
52				39		63	70		60		72		
53	31	31	39	41	59	69		68	61	41	70	25	
54	29	25	31	49	47	59	71	69	64	38	25	28	20
55	23	27	26	49	59	67	69	77	67	44	27	27	20
56	28	27	33	45	54	55	58	62	56	52	70		
57		40		41	52	68	71	66	58	33			
58		20	37	41	49	64	66	65	59	44	70	25	
59	23	29	29	40	58	63	69	68	65	48	26	28	20
60	25	28	26	43	46	64	70	69	63	43	35	22	22
61	20	30	37	43	49	63	67	66	53	44	34	26	20
62	14	23	28	38	56	66	72	70	52	39	34	6	20
63	6	24	36	46	50	62	65	66	57	40	31	22	6
64	20	28	36	43	55	64	69	67	56	43	30	26	20
65	20	28	30	50	52	63	69	67	58	41	34	30	20
66	12	27	31	43	52	55	62	66	57		24	22	
67	30	23	19	49	55	66	41	42	42	42	34	30	20
68	26	24	28	47	50	60	65	60	60	37	30	23	20
69	26	32	30	48	52	62	48	63	56	50	26	31	20
70	16	18	32	47	53	64		66	50	50	22	27	
71	15	28		37	45	62	67	66	58	47	29	36	
72	14	24	35	41	54	56	62	64	52	44	33	21	14
73	22	22		32	41	63	70	60	58	41	35	23	
74	40	24	40	41	54	60	67	69	55	43	31	27	20
MEAN													
S D													
TOTAL OBS.													

SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION WHITING FIELD, FL  
STATION NAME

45-57

YEARS

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4										45		24	MIN TEMP DAYS
5						25				51	42	29	MIN TEMP DAYS
6						71				23	76		MIN TEMP DAYS
7	30				55								MIN TEMP DAYS
8	29				70								MIN TEMP DAYS
9		23	34				40						MIN TEMP DAYS
10		24	72				77						MIN TEMP DAYS
11	31			59		45			50			40	MIN TEMP DAYS
12	70			2		29			29			30	MIN TEMP DAYS
1	36		34					40	41	40	27	37	MIN TEMP DAYS
2	29	0	30					24	26	19	12	5	MIN TEMP DAYS
3	31	12	37	42	55						47	24	MIN TEMP DAYS
4	14	16	19	21	19						27	25	MIN TEMP DAYS
5	29	37	36		48			40		37		24	MIN TEMP DAYS
6	25	26	29		27			70		20		30	MIN TEMP DAYS
7							64						MIN TEMP DAYS
8							70						MIN TEMP DAYS
9												19	MIN TEMP DAYS
10	25		37								42	20	MIN TEMP DAYS
11	25		29								19	17	MIN TEMP DAYS
12	22												MIN TEMP DAYS
1	28												MIN TEMP DAYS
2										43			MIN TEMP DAYS
3										30			MIN TEMP DAYS
4							46						MIN TEMP DAYS
5							17						MIN TEMP DAYS
6			31										MIN TEMP DAYS
7			28										MIN TEMP DAYS
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
44	JACKSONVILLE, FL	45-46

44.4 DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

## SMOS

**JAN**

PAGE 1  
HOURS (L S T )

[illegible]

4

## PSYCHROMETRIC SUMMARY

93841  
STATION

WHITING FIELD, FL STATION NAME

73-92

**YEARS**

434

**MONT**

PAGE 2

HOURS (L &amp; T)

[illegible]

4

## PSYCHROMETRIC SUMMARY

27841

WHITING FIELD, FL

73-92

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
80 / 79							.0	.0				.1	.0						6	6				
78 / 77				.1	.1	.0	.1		.0	.2	.1	.1							18	18				
76 / 75			.1	.1	.1	.0	.1	.2	.1	.0	.0		.0						19	19				
74 / 73		.0	.2	.2	.2	.4	.1	.2	.0	.1	.0			.0					36	36				
72 / 71		.4	.4	.2	.2	.5	.3		.1	.3	.2								54	54	6	1		
70 / 69	.0	.7	1.0	.3	.2	.4	.3	.4	.4	.2	.1								91	91	26	9		
68 / 67		1.1	1.0	.4	.7	.4	.1	.3	.3	.3	.1								92	92	40	30		
66 / 65	.3	1.0	.7	.2	.3	.3	.3	.4	.1	.1									84	64	69	54		
64 / 63	.1	2.0	.8	.4	.4	.3	.2	.3	.1	.2									118	118	78	54		
62 / 61	.0	1.7	.7	.6	.2	.4	.2	.4	.3	.2									106	106	82	62		
60 / 59	.1	1.4	1.2	.5	.4	.3	.3	.3	.3	.0									108	108	102	71		
58 / 57	.2	1.7	.8	.4	.5	.4	.6	.4	.2	.0									118	118	104	71		
56 / 55	.3	1.3	.9	.8	.7	.4	.7	.4	.1										135	135	121	91		
54 / 53	.3	1.8	1.9	.4	.6	.9	.4	.2	.0										146	146	96	83		
52 / 51	.1	1.8	1.3	.7	.8	.6	.4	.0	.0										130	130	133	87		
50 / 49		1.2	1.4	.7	.7	.6	.3	.2											112	112	136	87		
48 / 47	.1	1.1	1.2	1.0	.9	.4	.4												114	114	125	99		
46 / 45	.0	1.3	1.1	1.0	.9	.4	.3												113	113	124	86		
44 / 43		1.4	1.2	1.1	.8	.4	.1												112	112	157	97		
42 / 41		.9	1.3	1.3	.8	.3													104	104	119	85		
40 / 39	.0	.8	1.2	.6	.3	.1													69	69	126	104		
38 / 37	.1	1.1	1.6	1.1	.7	.1													106	106	117	116		
36 / 35	.0	1.0	1.5	.8	.3														79	79	120	85		
34 / 33	.0	.4	1.1	.6	.1														50	50	96	94		
32 / 31	.2	.4	.9	.4															43	43	91	123		
30 / 29	.0	.4	.9	.3															38	38	71	112		
28 / 27	.2	.5	.7																30	30	50	103		
26 / 25	.2	.1	.4																15	15	42	110		
24 / 23		.1	.1																5	5	21	75		
22 / 21	.2	.1																	3	3	10	56		
20 / 19		.1																	2	2	3	46		
18 / 17																					1	49		
16 / 15																						41		
14 / 13																						24		
Element (X)	$\Sigma X^2$				$\Sigma X$				$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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03341  
STATION

WHITING FIELD, FL STATION NAME

73-82

**YEARS**

FEA

**MONY**

PAGE 2

HOURS 11.5

NAVWEASERVCOM

4

## PSYCHROMETRIC SUMMARY

STATION  
97341STATION NAME  
WHITING FIELD, FLYEARS  
73-82MONTH  
MARPAGE 1  
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
85 / 85														.1				2	2						
84 / 83							.1	.1	.1		.0			.0				9	9						
83 / 81						.0	.1	.1	.2	.1	.1	.0	.0					17	17						
82 / 79				.2		.4	.2	.1	.0	.1	.0		.0	.0				27	27						
79 / 77		.0	.2	.3	.4	.2	.4	.3	.1	.2	.0	.0						52	52						
76 / 75			.3	.5	.4	.2	.4	.3	.2	.2	.1	.2						72	72	3					
74 / 73		.4	.6	.6	.4	.5	.6	.4	.2	.3	.2							105	105	10	4				
72 / 71		1.0	.9	.9	.7	.7	.1	.3	.4	.2	.3	.0						136	136	41	17				
70 / 69	.1	1.7	1.6	.7	.6	.3	.4	.4	.3	.4	.1							165	165	92	41				
69 / 67	.2	1.8	1.7	1.0	.6	.5	.5	.4	.2	.5	.2							186	186	130	86				
66 / 65	.2	1.7	2.4	1.0	.6	.4	.8	.4	.2	.3								196	196	132	112				
64 / 63	.1	2.5	1.7	.8	.4	.7	.4	.2	.4	.1	.0							186	186	164	113				
62 / 61	.1	3.1	1.2	.6	.6	.6	.5	.4	.3	.0								186	186	196	148				
60 / 59		3.1	1.0	.7	.6	.5	.6	.4	.2									179	179	200	150				
58 / 57	.0	2.3	1.0	.6	.9	.4	.5	.2	.1									148	148	192	171				
56 / 55	.2	1.6	1.1	.9	.6	.6	.3	.3										140	140	169	170				
54 / 53	.1	1.1	1.1	.8	.7	.4	.4	.2										119	119	158	130				
52 / 51	.1	1.2	1.1	.9	.7	.3	.2	.2	.0									114	114	137	98				
50 / 49	.1	.6	1.2	.4	.7	.2	.1											83	83	159	114				
48 / 47	.1	.7	.7	.6	.6	.4	.1											78	78	144	107				
46 / 45	.2	.3	1.0	.5	.6	.2												69	69	127	105				
44 / 42	.0	.6	.7	.7	.4	.1	.0											54	64	83	122				
42 / 41	.0	.6	.5	.4	.1													40	40	86	91				
40 / 39		.4	.8	.2	.1													38	38	83	91				
38 / 37	.0	.4	.5	.2		.0												29	29	68	102				
36 / 35		.2	.1	.2														12	12	45	99				
34 / 33		.2	.2															9	9	25	73				
32 / 31		.0	.1	.0	.0													5	5	11	77				
30 / 29		.1			.0													4	4	8	70				
28 / 27		.1		.0														4	4	5	50				
26 / 25																					4	45			
24 / 23		.0	.1															3	3	2	23				
22 / 21		.0	.0															2	2	2	27				
20 / 19		.0																1	1	3	13				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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07.8 2.397 54321

97-41  
STATION

WHITING FIELD, FL  
STATION NAME

STATION NAME

77-27

**YEARS**

APR 1964

**MONTH**

PAGE 1

HOURS 11

[illegible]

14510 2147 54321

## PSYCHROMETRIC SUMMARY

77941  
STATION

WHITING FIELD, FL  
STATION NAME

73-22

YEARS

**APR**  
**MONTH**

PAGE 2  
HOURS (L S T)

[illegible]

4

## PSYCHROMETRIC SUMMARY

97841  
STATIONWHITING FIELD, FL  
STATION NAME73-82  
YEARSMAY  
MONTHPAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
98 / 97												.0						1	1					
96 / 95												.0						2	2					
94 / 93												.1	.1			.1		8	8					
92 / 91												.0	.2	.2	.3	.0		20	20					
90 / 89						.0				.1	.6	.5	.3	.1	.0			43	43					
88 / 87					.1	.1	.4	.4	1.0	.5	.2	.2	.3					78	78					
86 / 85					.0	.2	.6	.9	.8	.4	.4	.2	.3			.0		91	91					
84 / 83				.1	.2	1.2	1.2	1.0	.6	.4	.3	.5	.1					137	137					
82 / 81				.4	.4	1.1	1.5	1.0	.7	.4	.3	.1	.0					157	157	1				
80 / 79		.0	.4	.6	1.2	2.1	1.1	.7	.5	.5	.4	.1	.0					191	191	4	2			
78 / 77		.1	.8	1.0	1.9	1.3	1.0	.4	.5	.2	.2							192	182	15				
76 / 75		.7	1.8	1.2	1.2	.8	.8	.4	.3	.2	.2							193	193	62	0			
74 / 73		1.2	2.7	1.7	.9	.5	.4	.3	.2	.1								198	198	202	45			
72 / 71	.2	2.0	3.4	1.8	.7	.6	.4	.2	.2		.0							235	235	265	116			
70 / 69	.1	2.5	4.2	1.2	.6	.4	.2	.2	.1									235	235	367	190			
68 / 67	.4	1.8	4.7	1.1	.4	.4	.2	.1		.0								207	207	347	277			
66 / 65	.1	2.1	2.9	1.0	.6	.7	.0	.0										176	176	307	344			
64 / 63	.2	1.1	1.9	.6	.4	.2		.0										110	110	274	308			
62 / 61	.2	.9	1.2	.9	.6	.1												96	96	209	261			
60 / 59		.4	1.0	.7	.3	.0	.0	.0										64	64	147	202			
58 / 57		.1	.5	.4	.2													30	30	117	169			
56 / 55		.1	.3	.3		.0												19	19	76	115			
54 / 53		.0	.1	.1	.0													6	6	46	102			
52 / 51																				24	90			
50 / 49				.0														1	1	11	76			
48 / 47																				4	57			
46 / 45																				1	45			
44 / 43																				1	17			
42 / 41																					22			
40 / 39																					8			
38 / 37																					8			
36 / 35																					5			
34 / 33																					1			
32 / 31																					2			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature											Total		
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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## PSYCHROMETRIC SUMMARY

97841  
STATION

WHITING FIELD, FL STATION NAME

73-82

YEARS

**MAY**  
**MONTH**

PAGE 2

[illegible]

## PSYCHROMETRIC SUMMARY

92441  
STATION

WHITING FIELD, FL  
STATION NAME

73-92

YEARS

**JUN**  
**MONTH**

**PAGE 1**  
**HOURS (L S T)**

[illegible]



4

## PSYCHROMETRIC SUMMARY

93841  
STATE

WHITING FIELD, FL

73-82

JUL

PAGE 1

[illegible]

## PSYCHROMETRIC SUMMARY

WHITING FIELD, FL

73-E2

415

PAGE 1

HOURS (LST)

NAVWEASERVCOM

4

## PSYCHROMETRIC SUMMARY

93541

WHITING FIELD, FL

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1  
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
96 / 95										.1	.2	.1						10	10					
94 / 93									.2	.3	.1	.2	.0					18	18					
92 / 91						.0		.6	.7	.2	.2	.1						42	42					
90 / 89					.0	.2	.7	1.8	1.1	.3	.1	.0						122	102					
88 / 87				.0	.2	.9	2.0	.6	.5	.0	.1	.0						104	104					
86 / 85				.1	1.0	1.9	.6	.6	.4	.3	.2	.1						123	123					
84 / 83			.1	.9	1.9	1.6	.6	.2	.3	.2	.0							139	139					
82 / 81		.1	.3	2.2	1.5	.9	.8	.2	.2	.1	.1							162	162	6				
80 / 79	.0	.3	1.4	2.3	1.4	.5	.3	.2	.1	.2								173	173	27				
78 / 77		1.8	3.0	1.6	1.1	.5	.5	.3	.1	.1								215	216	176				
76 / 75	.3	4.7	3.9	1.3	.8	.3	.2	.2	.1	.0								284	284	376				
74 / 73	.8	7.3	4.2	1.3	.3	.5	.2		.1									352	352	438				
72 / 71	.5	5.9	2.3	.7	.5	.2	.1	.2	.0									250	250	431				
70 / 69	.3	2.3	1.4	1.0	.3	.1	.0	.1	.0									133	133	318				
68 / 67	.0	.5	1.4	.8	.4	.2	.1											82	82	159				
66 / 65	.0	.6	1.2	.3	.1	.2												59	59	105				
64 / 63		.4	.7	.5	.2	.1												44	44	105				
62 / 61		.6	.4	.3	.1	.0												37	37	77				
60 / 59		.3	.5	.2	.0													23	23	54				
58 / 57		.2	.2	.1	.0													13	13	42				
56 / 55		.1	.3	.1														10	10	35				
54 / 53		.1	.2															7	7	17				
52 / 51		.3	.0	.1														11	11	11				
50 / 49		.1	.2															6	6	12				
48 / 47																				6				
46 / 45																				4				
44 / 43																								
42 / 41																								
40 / 39																								
38 / 37																								
TOTAL	2.125	5.522	5.513	8.810	10.0	8.3	6.1	4.2	3.8	1.7	.9	.5	.0					2399	2400	2399				

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## PSYCHROMETRIC SUMMARY

HITTING FIELD, FL

**YEARS**

ACT  
MONTH

PAGE 1  
HOURS 11

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

**YEARS**

OCT  
MONTH

PAGE ?  
HOURS 11

[illegible]

## PSYCHROMETRIC SUMMARY

97041	WHITING FIELD, FL
STATION	STATION NAME

73-92

NOV

PAGE 1  
HOURS (L S T )

NAVWEASERVCOM

1. • 2049 54321

## PSYCHROMETRIC SUMMARY

WHITING FIELD, CL

73-22

NCV

PAGE 2

HOURS 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12

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4

## PSYCHROMETRIC SUMMARY

STATION 12941 WHITING FIELD, FL STATION NAME 73-80 YEARS MONTH DEC

PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
50 / 79					.1	.1												3	3						
76 / 77				.1	.1	.2												7	7						
76 / 75			.1	.4	.2	.2	.0											20	20						
74 / 73		.1	.9	.4	.2	.1	.1				.0	.0						50	50	1					
72 / 71		.5	.3	.3	.2	.2	.2	.0	.1	.0								61	61	17					
72 / 69		.6	.8	.2	.3	.2	.2	.2	.1		.0							62	62	55	25				
68 / 67	.2	1.4	1.1	.3	.0	.2	.2	.2	.0	.2								97	97	51	64				
56 / 65	.1	1.6	.7	.4	.1	.2	.2	.2	.2	.2	.0							97	97	80	47				
64 / 63	.1	1.7	.9	.8	.3	.4	.1	.3	.4	.2								128	128	92	79				
62 / 61	.0	1.3	.8	.9	.4	.1	.3	.2	.4	.2								124	124	83	68				
61 / 59	.0	1.6	.6	.8	.5	.1	.3	.4	.2									112	112	79	57				
58 / 57	.2	1.7	1.0	.6	.6	.1	.3	.3	.2									129	129	108	77				
56 / 55		1.3	1.2	.7	.3	.4	.4	.2	.2									114	114	106	90				
54 / 53		1.8	1.5	1.2	.6	.7	.3	.4	.0									161	161	106	81				
52 / 51		1.4	1.4	.8	.9	.4	.2	.2										135	135	124	94				
50 / 49		1.3	1.6	.7	.8	.6	.3	.2										140	140	133	85				
46 / 47		2.1	1.4	.8	.8	.4	.1											138	138	154	107				
46 / 45		1.2	1.5	1.2	1.3	.4	.2											143	143	152	114				
44 / 43		1.1	1.9	1.5	.9	.4	.1											147	147	158	108				
42 / 41		.6	1.5	1.2	.8	.2	.1											110	110	130	101				
40 / 39		.6	1.7	1.2	.9	.2												111	111	152	69				
38 / 37		.9	1.4	.7	.5													85	85	145	102				
36 / 35		1.0	1.3	1.0	.3													91	91	127	95				
34 / 33		.7	1.1	.8	.1													69	69	120	103				
32 / 31		.6	.7	.6														49	49	92	134				
30 / 29		.7	1.2	.2														50	50	87	135				
26 / 27		.5	.5															25	25	64	109				
26 / 25		.2	.2															11	11	44	104				
24 / 23		.1	.1															5	5	18	77				
22 / 21		.0	.1															3	3	5	84				
20 / 19		.0																1	1	4	75				
18 / 17																					2	57			
16 / 15																						44			
14 / 13																						24			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_X$		No. Obs.		Mean No. of Hours with Temperature											Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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## PSYCHROMETRIC SUMMARY

7-41  
STATION

WHITING FIELD, FL  
STATION NAME

73-P2

**YEAR:**

DEC  
MONTH

PAGE 2  
HOURS 7159

[illegible]

## PSYCHROMETRIC SUMMARY

STATION

WINNIE FIELD, FL  
STATION NAME

73-30

YEARS

ALL  
MONTH

PAGE 1  
HOURS: 11:57

[illegible]

## PSYCHROMETRIC SUMMARY

3441  
STATION

SHILING FIELD, FL STATION NAME

73-22

**YEARS**

ALL

**MONY**

PAGE 2  
HOURS 1

[illegible]

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

43941 WHITING FIELD, FL

73-82

STATION		STATION NAME											YEARS											
MRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL										
1	MEAN	45.6	47.6	56.0	61.2	67.8	73.5	75.8	74.7	71.9	61.3	54.2	47.7	61.5										
	S. D.	12.289	10.728	9.176	6.573	4.589	3.368	2.775	2.381	5.233	7.622	10.028	11.459	13.343										
	TOTAL OBS	309	282	310	300	310	300	309	310	300	310	300	310	3650										
1	MEAN	44.1	45.9	54.3	59.2	65.9	71.9	74.3	73.2	70.3	59.1	52.5	46.1	59.8										
	S. D.	12.968	11.347	10.296	7.481	5.267	3.694	2.461	2.349	5.374	8.101	10.577	12.049	13.694										
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651										
1	MEAN	43.0	44.6	53.2	58.4	66.5	72.8	74.9	77.3	69.8	57.8	51.4	45.0	59.7										
	S. D.	11.339	11.687	10.725	7.851	5.154	3.616	2.497	2.369	5.567	8.575	11.179	12.421	14.400										
	TOTAL OBS	309	282	310	300	310	299	310	310	300	310	300	310	3650										
1	MEAN	47.4	51.3	61.0	69.0	77.0	83.0	84.5	83.0	78.9	68.6	59.6	50.7	67.9										
	S. D.	12.891	10.988	9.036	6.929	5.491	6.088	4.407	3.716	5.856	7.467	9.181	10.726	15.343										
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651										
1	MEAN	55.3	59.6	67.8	75.3	81.9	88.1	88.5	87.6	84.4	76.0	67.4	58.8	74.3										
	S. D.	12.232	11.379	8.910	6.944	5.822	4.684	6.330	4.752	6.416	7.343	9.188	9.995	14.246										
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	310	3652										
1	MEAN	57.1	61.7	69.8	75.7	81.8	86.6	86.7	86.3	83.7	76.8	68.0	60.2	74.5										
	S. D.	11.346	10.600	8.093	6.333	5.804	6.210	6.717	5.621	6.326	6.608	8.523	9.222	13.088										
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	310	3652										
1	MEAN	61.5	55.5	63.7	70.5	76.9	81.9	82.6	81.4	78.3	69.4	60.6	53.3	68.9										
	S. D.	11.034	9.489	7.391	5.383	4.586	4.080	5.233	4.484	5.176	6.548	8.674	9.515	13.252										
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651										
1	MEAN	47.4	50.5	58.8	64.3	70.9	76.2	77.9	76.8	73.9	63.9	56.4	49.6	63.9										
	S. D.	11.562	9.776	7.995	5.630	4.034	3.510	3.363	3.517	4.951	6.984	9.412	10.444	13.044										
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	309	3651										
ALL HOURS	MEAN	48.9	52.1	60.5	66.7	73.6	79.3	80.6	79.5	76.4	66.6	58.8	51.4	66.3										
	S. D.	13.050	12.261	10.576	9.299	8.071	7.607	6.933	6.617	7.807	10.091	11.324	11.995	14.954										
	TOTAL OBS	2476	2256	2480	2400	2480	2399	2479	2480	2400	2480	2400	2478	29208										

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## MEANS AND STANDARD DEVIATIONS

NET-ULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93541 WHITING FIELD, FL

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN	42.4	44.3	52.4	57.2	67.9	69.6	72.5	72.1	68.9	57.2	50.9	44.2	58.7	
	S. D.	13.054	11.395	10.095	7.616	5.423	4.090	2.313	2.471	5.606	8.468	10.796	11.991	13.775	
	TOTAL OBS	309	282	310	300	310	300	309	310	299	310	300	310	3649	
01	MEAN	41.3	43.0	51.2	55.8	62.7	68.6	71.7	71.1	67.8	55.7	49.6	43.1	56.9	
	S. D.	13.580	11.804	10.881	8.251	5.933	4.416	2.336	2.598	5.947	8.791	11.200	12.355	14.105	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
02	MEAN	40.3	42.0	50.4	55.4	63.3	69.7	72.3	71.3	67.4	54.7	48.7	42.3	56.6	
	S. D.	13.778	12.053	11.254	8.377	5.883	4.534	2.296	2.572	6.174	9.044	11.633	12.585	14.697	
	TOTAL OBS	309	282	310	300	310	299	310	310	300	310	300	310	3650	
03	MEAN	43.5	46.5	55.2	60.6	67.8	73.4	76.1	75.8	72.0	60.9	54.0	46.3	61.1	
	S. D.	13.016	11.578	9.768	7.394	5.180	3.703	2.348	2.436	5.571	7.902	10.388	11.531	14.179	
	TOTAL OBS	309	282	310	300	310	299	310	310	300	310	300	310	3650	
04	MEAN	47.7	50.3	57.4	62.2	68.5	73.6	76.3	76.3	73.0	63.2	57.4	50.5	63.1	
	S. D.	12.231	10.729	8.717	6.724	4.779	3.778	2.378	2.211	5.073	7.047	9.603	10.552	12.642	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
05	MEAN	48.6	51.4	58.0	62.4	68.5	73.2	75.8	75.9	72.8	63.4	57.6	51.1	63.3	
	S. D.	11.503	10.056	8.144	6.241	4.712	3.781	2.795	2.417	4.791	6.601	9.083	10.003	12.020	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
06	MEAN	46.0	48.7	56.3	60.7	67.3	72.2	74.9	74.7	71.6	61.4	54.8	48.0	61.4	
	S. D.	11.921	10.016	8.438	6.215	4.594	3.634	2.459	2.445	4.880	7.279	9.638	10.711	12.738	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
07	MEAN	43.6	46.2	54.3	58.8	65.5	70.6	73.4	73.2	69.9	58.8	52.4	45.6	59.4	
	S. D.	12.471	10.549	9.176	6.927	4.925	3.875	2.130	2.506	5.394	7.901	10.415	11.279	13.290	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	44.2	46.6	54.4	59.1	65.9	71.4	74.1	73.8	70.4	59.4	53.2	46.4	60.0	
	S. D.	13.016	11.478	9.967	7.693	5.660	4.395	2.952	3.172	5.850	8.494	10.854	11.792	13.684	
	TOTAL OBS	2474	2256	2480	2400	2480	2398	2479	2480	2399	2480	2400	2478	29206	

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

97341 WHITING FIELD, FL

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	37.6	39.8	49.7	53.8	61.4	67.4	71.1	70.9	67.2	53.9	47.3	39.4	55.0	
	S. D.	16.381	14.068	12.658	9.727	6.796	5.345	2.614	2.982	6.676	10.351	12.882	14.577	15.948	
	TOTAL OBS	309	282	310	300	310	300	309	310	299	310	300	310	3649	
02	MEAN	36.7	39.1	48.1	53.0	60.6	66.9	70.5	70.1	66.4	52.9	46.3	39.0	54.2	
	S. D.	16.713	14.224	12.908	9.992	7.129	5.428	2.586	2.975	6.707	10.322	13.041	14.713	16.171	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
03	MEAN	35.4	38.4	47.3	52.8	61.3	68.0	71.2	70.4	66.1	52.1	45.7	38.4	54.0	
	S. D.	16.755	14.196	13.203	9.946	7.077	5.597	2.612	2.951	6.979	10.394	13.272	14.629	16.545	
	TOTAL OBS	309	282	310	300	310	299	310	310	300	310	300	310	3650	
04	MEAN	37.9	40.4	49.6	54.2	62.5	68.7	72.6	72.8	68.5	55.1	44.5	40.0	56.0	
	S. D.	17.020	15.121	13.215	10.800	7.232	5.277	2.750	2.893	6.441	10.601	13.947	14.842	16.566	
	TOTAL OBS	309	282	310	300	310	299	310	310	300	310	300	310	3650	
05	MEAN	38.3	39.9	48.3	52.2	60.8	66.7	71.2	71.5	67.6	54.1	44.3	41.1	55.1	
	S. D.	17.558	15.412	13.399	11.435	7.894	6.258	2.906	3.246	7.005	10.895	14.523	15.621	16.450	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
06	MEAN	38.0	40.2	48.6	52.3	60.8	66.8	71.1	71.4	67.3	53.8	44.0	40.6	55.0	
	S. D.	17.795	15.314	13.433	11.354	8.236	6.510	4.033	3.697	7.046	10.979	14.453	15.858	16.549	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
07	MEAN	38.4	40.9	49.5	53.1	61.6	67.4	71.6	71.8	68.3	55.5	46.3	41.6	55.9	
	S. D.	16.676	14.295	12.837	10.552	7.543	6.012	2.999	3.272	6.261	9.997	13.151	14.447	15.848	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
08	MEAN	34.1	41.0	49.8	54.3	62.7	67.7	71.5	71.5	67.7	54.8	48.3	40.4	55.7	
	S. D.	16.349	13.575	12.326	9.665	6.780	5.308	2.389	3.064	6.406	9.966	12.961	14.241	15.743	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	37.6	40.0	48.8	53.2	61.4	67.5	71.3	71.3	67.4	54.0	47.7	40.7	55.1	
	S. D.	16.904	14.540	13.009	10.466	7.371	5.763	2.953	3.243	6.784	10.483	13.576	14.881	16.235	
	TOTAL OBS	2476	2256	2480	2400	2480	2398	2479	2480	2399	2480	2400	2478	29206	

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

12841 WHITING FIELD, FL

73-82

JAN

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
12	00	100.0	100.0	100.0	97.1	90.0	76.7	64.4	45.6	13.9	75.0	309
	01	100.0	100.0	99.7	98.1	90.0	43.0	67.6	47.9	16.2	76.4	309
	02	100.0	100.0	100.0	98.1	91.5	81.9	68.6	51.5	16.8	76.7	309
	03	100.0	100.0	99.7	93.9	81.2	70.6	55.3	35.2	13.3	71.0	309
	04	100.0	98.7	86.1	70.3	57.7	43.9	29.7	15.5	2.9	56.3	310
	05	100.0	94.5	81.0	64.5	51.3	41.6	26.8	13.1	1.3	53.3	310
	06	100.0	89.7	97.1	56.1	69.7	56.8	41.2	28.1	5.5	60.2	310
	07	100.0	100.0	99.7	94.2	84.8	71.0	57.1	38.7	10.6	71.6	310
TOTALS		100.0	99.1	95.4	57.8	77.1	65.8	51.4	35.5	10.1	68.1	2476

OCEANAV-SMOS

## RELATIVE HUMIDITY

73-57

73B

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	17	100.0	100.0	100.0	98.9	93.6	81.2	64.5	42.6	12.4	75.5	292
	18	100.0	100.0	100.0	99.3	95.4	86.5	72.0	51.4	14.2	78.0	282
	19	100.0	100.0	100.0	99.3	96.5	91.1	74.5	53.5	17.0	79.4	292
	20	100.0	100.0	99.6	93.3	79.4	63.5	48.6	33.1	11.3	68.5	292
	21	100.0	98.2	93.0	63.5	44.7	31.6	23.4	13.5	7.5	51.9	282
	22	100.0	96.1	75.9	57.4	43.0	31.6	22.0	12.4	.7	49.5	282
	23	100.0	100.0	94.7	83.0	65.6	48.9	35.5	22.3	3.9	60.9	282
	24	100.0	100.0	100.0	97.2	87.9	72.0	55.0	35.1	10.3	71.4	292
TOTALS		100.0	99.3	94.2	86.3	75.2	63.3	49.5	32.7	9.2	66.9	2256

**OCEANAV-SMOS**



4

## RELATIVE HUMIDITY

73-A2

200

STATION

STATION NAME

PERIOD

**MONTH**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00	100.0	100.0	99.7	98.7	93.5	82.6	71.6	57.9	15.5	77.8	510
	07	100.0	100.0	100.0	99.4	95.5	90.6	78.7	60.6	16.8	80.4	510
	04	100.0	100.0	100.0	100.0	96.5	90.3	79.0	63.2	21.9	81.3	510
	09	100.0	100.0	99.0	91.6	79.7	67.1	52.3	31.9	6.9	66.4	510
	10	100.0	98.4	84.2	68.4	51.6	36.8	22.9	11.0	2.0	53.4	510
	15	100.0	97.4	80.0	66.8	51.0	35.6	25.5	13.9	1.0	52.5	510
	18	100.0	99.4	94.3	81.9	70.6	57.7	41.3	25.5	4.6	63.1	510
	21	100.0	100.0	100.0	96.8	86.5	75.2	64.5	48.7	9.7	73.8	510
TOTALS		100.0	99.4	94.7	88.0	75.1	67.0	54.5	38.7	9.9	68.8	2480

**OCEANAV-SMOS**

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## RELATIVE HUMIDITY

41 WHITING FIELD, FL

77-82

8-2

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	1	100.0	100.0	100.0	99.7	96.7	86.3	70.0	51.7	12.0	77.6	300
	2	100.0	100.0	100.0	100.0	98.0	93.0	80.3	59.3	19.0	80.8	300
	3	100.0	100.0	100.0	99.3	98.7	93.7	83.3	66.0	10.0	82.4	300
	4	100.0	100.0	99.0	86.3	70.7	49.7	35.3	15.7	3.3	61.6	300
	5	100.0	97.7	79.3	57.0	42.0	22.3	15.0	7.3	2.0	47.9	300
	6	100.0	96.3	77.3	58.3	39.7	25.0	16.3	7.0	2.0	47.7	300
	7	100.0	99.7	92.7	78.0	60.0	42.7	28.7	14.3	7.7	57.2	300
	8	100.0	100.0	100.0	97.7	90.0	73.7	54.3	35.7	5.0	71.3	300
TOTALS		100.0	99.2	93.5	84.5	74.4	60.8	47.9	32.1	8.1	65.8	2400

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION WHITING FIELD, FL

73-32

MONTH

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00	100.0	100.0	100.0	100.0	99.7	94.8	86.5	61.9	7.4	80.5	310
	03	100.0	100.0	100.0	100.0	99.7	96.5	90.0	73.5	14.5	83.5	310
	06	100.0	100.0	100.0	100.0	99.7	98.4	89.7	71.9	16.5	83.7	310
	09	100.0	100.0	99.7	92.6	83.2	53.9	25.2	10.0	1.9	62.2	310
	12	100.0	100.0	90.3	74.8	42.9	21.9	12.6	7.1	2.3	51.0	310
	15	100.0	99.4	90.0	72.9	47.7	24.8	13.2	7.7	1.9	51.4	310
	18	100.0	100.0	99.1	89.0	75.2	53.5	26.8	13.2	1.6	61.2	310
	21	100.0	100.0	100.0	98.7	96.5	87.7	69.4	36.8	5.2	75.1	310
TOTALS		100.7	99.9	97.3	91.0	80.6	66.4	51.7	35.3	6.4	68.6	2450

OCEANAV-SMOS

4

0041 WHITING FIELD, FL

78-22

پڑا

STATION

STATION NAME

PERIOD

NOTES

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	10	100.0	100.0	100.0	100.0	99.7	96.3	88.0	65.0	11.0	91.8	300
	20	100.0	100.0	100.0	100.0	100.0	99.0	92.7	79.0	21.3	84.9	300
	30	100.0	100.0	100.0	100.0	100.0	97.7	92.0	73.6	24.4	85.3	299
	40	100.0	100.0	100.0	96.3	86.6	59.2	19.1	5.7	.7	62.5	299
	50	100.0	100.0	96.0	79.0	45.3	17.3	7.7	3.3	1.3	50.7	300
	60	100.0	100.0	94.3	76.7	53.0	31.7	19.0	10.3	7.0	54.3	300
	70	100.0	100.0	98.3	92.3	79.7	61.0	32.0	16.7	5.7	63.6	300
	80	100.0	100.0	100.0	100.0	98.0	87.3	70.0	28.7	4.0	76.0	300
TOTALS		100.0	100.0	98.6	93.3	82.7	64.6	52.4	37.2	9.4	69.9	2396

**OCEANAV-SMOS**

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

41061

WHITING FIELD, FL

73-37

JUL

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00	100.0	100.0	100.0	100.0	100.0	99.7	97.7	79.3	21.7	95.7	509
	03	100.0	100.0	100.0	100.0	100.0	100.0	99.4	91.6	31.6	98.2	310
	06	100.0	100.0	100.0	100.0	100.0	100.0	99.0	89.7	30.6	98.3	310
	09	100.0	100.0	100.0	100.0	97.7	79.4	35.2	14.8	0.9	68.3	310
	12	100.0	100.0	100.0	75.2	63.5	33.5	20.6	11.6	4.2	58.3	310
	15	100.0	79.7	99.7	94.8	73.2	50.6	28.4	17.1	5.2	62.1	310
	18	100.0	100.0	100.0	99.0	93.2	80.3	48.7	25.2	7.7	70.9	310
	21	100.0	100.0	100.0	100.0	100.0	79.4	67.7	53.9	14.8	81.2	310
TOTALS		100.0	100.0	100.0	78.6	91.0	80.2	64.6	47.8	14.8	75.4	2479

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## RELATIVE HUMIDITY

1941 WHITING FIELD, FL 77-92 1941  
STATION STATION NAME PERIOD MONTHCUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	100.0	100.0	99.7	98.1	97.1	37.4	88.3	310
	02	100.0	100.0	100.0	100.0	100.0	100.0	99.4	94.2	64.5	90.8	310
	03	100.0	100.0	100.0	100.0	100.0	100.0	99.7	96.5	46.1	90.6	310
	04	100.0	100.0	100.0	100.0	99.7	91.3	52.7	15.5	4.2	71.9	310
	05	100.0	100.0	100.0	97.7	79.0	39.7	17.7	8.7	3.9	60.2	310
	06	100.0	100.0	100.0	95.8	77.4	52.6	29.7	14.2	6.1	63.1	310
	07	100.0	100.0	100.0	89.0	96.9	88.1	57.7	37.6	11.3	73.9	310
	08	100.0	100.0	100.0	100.0	100.0	98.1	97.6	66.5	23.9	84.1	310
TOTALS		100.0	100.0	100.0	89.1	94.1	83.7	68.3	51.7	22.2	77.8	2460

OCEANAV-SMOS

4

## RELATIVE HUMIDITY

19-30

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STATION

STATION NAME

22199

\_\_\_\_\_ MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00	100.0	100.0	100.0	100.0	100.0	92.3	93.6	76.3	26.4	85.6	209
	01	100.0	100.0	100.0	100.0	100.0	99.7	97.0	83.7	34.7	87.6	300
	02	100.0	100.0	100.0	100.0	100.0	100.0	96.7	86.0	36.0	88.2	300
	03	100.0	100.0	100.0	99.7	96.7	83.7	62.7	21.3	5.3	71.5	300
	04	100.0	100.0	99.7	91.7	69.7	40.6	19.3	11.0	4.7	58.8	300
	05	100.0	100.0	99.3	87.7	67.7	44.3	26.3	15.3	5.3	60.2	300
	06	100.0	100.0	100.0	99.3	96.0	81.7	54.7	29.3	7.7	72.5	300
	07	100.0	100.0	100.0	100.0	100.0	97.3	86.7	58.7	17.3	81.6	300
TOTALS		100.0	100.0	99.3	97.3	91.1	80.6	65.9	47.7	17.2	75.3	2379

**OCEANAV-SMOS**



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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## RELATIVE HUMIDITY

STATION 41 WHITE'S FIELD, FL STATION NAME 73-00 PERIOD 1961 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	1	100.0	100.0	99.7	99.7	97.9	91.6	77.6	64.2	51.6	37.3	317
	2	100.0	100.0	100.0	100.0	99.4	90.5	72.4	53.2	37.9	21.5	316
	3	100.0	100.0	100.0	99.7	99.4	97.1	86.1	59.7	33.5	21.6	316
	4	100.0	100.0	99.7	95.5	76.5	55.5	32.3	15.6	5.2	63.7	316
	5	100.0	9.0	89.4	45.2	39.7	21.3	11.2	7.1	2.6	49.1	316
	6	100.0	9.4	83.7	40.3	37.1	22.3	12.7	7.1	1.3	47.8	316
	7	100.0	100.0	99.7	84.5	75.2	54.2	31.1	15.5	2.6	62.8	316
	8	100.0	100.0	100.0	99.4	96.1	92.6	59.1	32.9	6.5	73.1	316
TOTALS		100.0	99.7	96.5	89.3	77.7	65.1	43.4	29.4	7.2	67.2	2450

OCEANAV-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## RELATIVE HUMIDITY

07-41 HUNTING FIELD, FL

73-47

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	20	100.0	100.0	100.0	99.7	97.3	88.7	73.3	50.7	17.7	78.4	300
	23	100.0	100.0	100.0	100.0	98.3	92.0	77.7	57.3	16.3	60.1	300
	26	100.0	100.0	100.0	100.0	99.0	94.7	81.3	58.0	15.7	81.4	300
	29	100.0	100.0	99.7	94.7	76.7	62.7	53.3	36.0	8.3	68.9	300
	10	100.0	99.7	85.3	67.7	52.7	36.7	24.0	12.3	1.7	53.8	300
	13	100.0	95.0	81.7	64.0	51.3	36.0	25.7	13.0	2.3	52.7	300
	16	100.0	100.0	99.7	95.0	82.3	62.0	49.0	30.3	4.7	68.1	300
	19	100.0	100.0	100.0	99.0	93.7	83.7	66.3	42.3	10.3	75.4	300
TOTALS		100.0	99.7	95.0	90.0	81.4	69.6	56.3	37.5	9.0	69.9	2400

**OCEANAV-SMOS**

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## RELATIVE HUMIDITY

73-22

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STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

**OCEANAV-SMOS**

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION WHITING FIELD, FL

73-32

ALL

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.1	95.4	87.8	77.1	65.6	51.4	35.5	19.1	68.1	2476
FEB		100.0	99.3	94.2	86.5	75.8	63.3	49.5	32.7	9.2	66.9	2256
MAR		100.0	99.4	94.7	88.0	79.1	67.0	54.5	38.7	9.9	69.8	2490
APR		100.0	99.2	93.5	84.5	74.4	60.8	47.9	32.1	8.1	65.6	2400
MAY		100.0	99.9	97.3	91.0	80.5	66.4	51.7	35.3	6.4	68.6	2480
JUN		100.0	100.0	98.6	93.3	82.7	68.6	52.6	37.2	9.4	69.9	2398
JUL		100.0	100.0	100.0	98.6	91.0	80.2	64.6	47.8	14.2	75.4	2479
AUG		100.0	100.0	100.0	99.1	94.1	83.7	68.3	51.7	22.2	77.8	2480
SEP		100.0	100.0	99.8	97.3	91.1	80.6	65.9	47.7	17.2	75.8	2399
OCT		100.0	99.7	96.5	89.3	77.7	65.1	48.4	29.4	7.2	67.0	2480
NOV		100.0	99.7	95.8	90.0	81.4	69.6	56.3	37.5	9.0	69.9	2400
DEC		100.0	99.6	96.0	90.5	80.7	67.8	52.0	31.8	5.6	68.2	2478
TOTALS		100.0	99.7	96.8	91.3	82.1	69.9	55.3	38.1	10.8	70.2	29206

OCEANAV-SMOS

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

73841

HITING FIELD, FL

JANUARY 1973-DECEMBER 1982

JANUARY

STATION

STATION NAME

YEAR

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					40.0	40.0	20.0				0.2
72 TO 76	7.3	3.6	1.8	3.6	49.1	25.5	1.8	3.6	3.6	55	2.2
67 TO 71	2.8	2.3	1.7	14.1	44.1	18.1	6.8	4.5	5.6	177	7.1
62 TO 66	7.1	2.0	3.7	14.1	31.6	13.8	8.1	6.1	13.5	297	12.0
57 TO 61	14.2	4.3	6.7	18.2	17.0	6.3	6.7	8.3	18.2	253	10.2
52 TO 56	17.7	10.0	15.0	13.7	7.3	6.3	4.7	9.3	16.0	300	12.1
47 TO 51	21.2	15.7	13.5	9.3	2.6	3.8	6.4	7.7	19.9	312	12.6
42 TO 46	12.2	13.4	10.1	5.4	1.4	1.4	4.3	12.3	19.2	276	11.1
37 TO 41	17.4	15.7	6.6	5.2	.3	.3	4.5	12.6	17.1	284	11.6
32 TO 36	36.2	18.6	9.3	2.5		.4	2.5	13.3	17.2	270	11.3
27 TO 31	43.2	14.2	3.9	1.3			.6	13.0	23.2	155	6.7
22 TO 26	48.3	17.2					5.2	5.2	24.1	54	2.3
17 TO 21	37.5	31.3	6.3					6.3	18.8	16	.6
12 TO 16	55.7								14.3	7	.3
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -12											
-13 TO -17											
-18 TO -22											
-23 TO -27											
-28 TO -32											
-33 TO -37											
-38 TO -42											
-43 TO -47											
-48 TO -52											
-53 TO -57											
-58 TO -62											
-63 TO -67											
-68 TO -72											
-73 TO -77											
-78 TO -82											
-83 TO -87											
-88 TO -92											
-93 TO -97											
-98 TO -102											
TOTALS	23.9	11.0	8.0	9.7	11.3	5.7	5.0	9.4	16.6	2476	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

27041  
STATION

WHITING FIELD, FL

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MONTH

NO. OF YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	4.2	8.3	4.2		41.7	16.7	12.5	12.5		24	1.1
72 TO 76	7.9	1.3		3.9	31.6	30.3	11.8	9.2	3.9	76	3.4
67 TO 71	6.5	1.9	.9	8.8	32.9	29.2	12.5	4.6	3.2	216	9.6
62 TO 66	8.3	3.5	5.1	13.4	24.4	15.8	13.8	9.1	7.5	254	11.3
57 TO 61	12.5	3.2	5.7	15.0	17.5	8.9	12.9	11.4	12.9	280	12.4
52 TO 56	17.9	6.3	14.4	10.4	7.5	7.5	9.5	11.5	14.7	347	15.4
47 TO 51	26.9	11.7	9.7	9.0	1.7	2.8	6.2	10.3	21.7	290	12.9
42 TO 46	27.5	15.4	10.0	7.1	1.4	1.1	7.5	12.1	17.9	280	12.4
37 TO 41	13.9	20.1	14.3	1.8		.4	3.6	7.6	18.3	224	9.9
32 TO 36	17.3	25.5	11.8	1.3		1.3	2.6	2.6	17.6	153	6.8
27 TO 31	42.5	26.4	2.3				2.3	9.2	17.2	87	3.9
22 TO 26	82.6	13.0	4.3							23	1.0
17 TO 21	50.0	50.0								2	.1
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
TOTALS	21.4	10.4	9.5	8.2	11.1	8.6	8.7	9.3	13.8	2256	100.0

NAVWEASERVCOM

FORM 4032-4-3271

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

WHITING FIELD, FL

JANUARY 1973-DECEMBER 1982

MARCH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	5.3	10.5	5.3		10.5	26.3	26.3	10.5	5.3	19	.8
77 TO 81	9.1			2.3	48.9	25.0	9.1	2.3	3.4	88	3.5
72 TO 76	2.5	1.7	1.7	8.3	47.7	26.1	5.8	5.3	1.2	241	9.7
67 TO 71	7.3	2.6	3.1	10.4	38.1	20.6	8.7	5.2	4.0	423	17.1
62 TO 66	10.2	5.3	6.1	18.9	29.1	7.8	7.2	4.7	10.5	484	19.7
57 TO 61	15.5	8.8	11.1	16.7	16.2	7.6	4.7	6.9	12.5	477	16.4
52 TO 56	23.8	12.4	13.3	11.5	5.0	1.9	3.7	10.2	18.3	323	13.0
47 TO 51	29.9	14.7	10.9	3.6	2.4	.9	3.3	10.4	23.7	211	8.5
42 TO 46	35.9	12.8	7.1	1.3	.6	.6	6.4	7.7	27.6	156	6.3
37 TO 41	27.4	19.0	6.0	1.2		2.4	3.6	9.5	31.0	84	3.4
32 TO 36	37.5	12.5	4.2	4.2		4.2			37.5	24	1.0
27 TO 31	50.0	10.0							50.0	10	.4
22 TO 26	66.7							33.3		7	.3
17 TO 21	66.7							33.3		3	.1
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
-68 TO -64											
-73 TO -69											
-78 TO -74											
-83 TO -79											
-88 TO -84											
-93 TO -89											
-98 TO -94											
-103 TO -99											
TOTALS	16.0	7.7	7.1	11.1	22.2	10.4	6.0	6.7	12.7	245	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

WHITING FIFLO, FL

JANUARY 1973-DECEMBER 1982

APRIL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		15.4	7.7	15.4	15.4	30.8	15.4			17	.5
82 TO 86	7.4	7.4	3.7	8.6	35.8	16.0	12.3	7.4	1.2	81	3.4
77 TO 81	5.5	5.2	4.8	11.1	33.6	20.7	7.7	6.6	4.8	271	11.3
72 TO 76	10.0	3.5	4.2	11.2	40.2	17.8	4.2	6.3	2.6	428	17.8
67 TO 71	12.1	4.2	4.4	11.0	28.3	13.3	8.9	7.2	10.6	473	19.7
62 TO 66	16.3	8.0	11.2	14.2	10.3	5.3	6.0	7.1	21.6	436	18.2
57 TO 61	20.7	10.5	9.9	6.7	2.3	1.5	6.1	8.7	33.5	343	14.3
52 TO 56	31.2	10.9	12.4	4.5	1.0	1.0	5.4	5.9	27.7	202	8.4
47 TO 51	27.2	7.9	4.4	2.6		.9	7.9	11.4	37.7	114	4.8
42 TO 46	27.6	20.7					6.9	10.3	34.5	29	1.2
37 TO 41	22.2	33.3					11.1	11.1	22.2	9	.4
32 TO 36									100.0	1	.0
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 A LWR											
TOTALS	15.3	7.0	7.0	9.8	20.1	10.1	6.8	7.3	16.5	2400	100.0

NAVWEASERVCOM

FORM 4332 5-32-71

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION NAME  
HITTING FIELD, FL

STATION NAME

PERIOD  
JANUARY 1973-DECEMBER 1992

PERIOD

MONTH  
MAY

MONTH

HOURS  
1200

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	170.0									1	0.0
92 TO 96	15.9				36.8	5.3	15.8	5.3	21.1	19	0.8
87 TO 91	11.4	4.5	6.1	3.0	25.0	18.9	10.6	8.3	12.1	132	5.3
82 TO 86	9.3	5.0	4.7	7.0	31.3	21.0	8.7	9.0	4.0	300	12.1
77 TO 81	10.0	7.4	5.7	6.1	31.2	22.7	6.6	5.7	4.6	453	18.5
72 TO 76	6.7	6.1	5.7	10.4	22.2	15.9	8.4	3.9	20.4	515	20.6
67 TO 71	10.6	8.1	10.8	9.3	8.8	7.9	9.3	5.2	30.1	558	22.5
62 TO 66	19.2	12.0	10.5	11.1	1.5	2.3	5.5	4.4	33.5	343	13.8
57 TO 61	26.3	13.5	3.8	2.3	.8	2.3	7.5	6.8	36.8	133	5.4
52 TO 56	44.0	8.0	4.0				4.0	8.0	32.0	25	1.0
47 TO 51									100.0	1	0.0
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 A LWR											
TOTALS	12.0	7.7	7.2	8.1	17.9	13.3	8.0	5.6	20.1	248	100.0

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

741  
STATION

MITING FIELD, FL

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

JUNE

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101						50.0			50.0	2	.1
92 TO 96	24.5	5.8	5.3	2.9	12.2	12.9	16.5	12.2	7.9	139	5.8
87 TO 91	14.7	5.9	7.1	3.5	20.3	21.2	12.9	7.9	6.5	340	14.2
82 TO 86	15.1	6.1	7.0	6.3	20.7	17.9	12.4	7.6	6.8	459	19.1
77 TO 81	9.6	5.0	5.3	5.0	15.1	15.3	14.6	3.7	26.5	438	18.3
72 TO 76	12.9	5.9	8.2	6.1	4.6	7.5	11.9	2.7	40.2	657	27.4
67 TO 71	23.0	10.0	11.3	5.2	3.2	2.9	6.1	4.5	33.7	309	12.9
62 TO 66	42.3	19.2	3.8	3.8	1.9		1.9	9.6	17.3	52	2.2
57 TO 61	100.0									2	.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 R. LWR											
TOTALS	15.6	6.6	7.4	5.2	12.0	12.4	11.9	5.5	23.3	2397	100.0

NAVWEASERVCOM

H

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION  
47341

STATION NAME  
HITTING FIELD, FL

YEAR  
JANUARY 1973-DECEMBER 1982

MONTH  
JULY

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106								100.0		1	.0
97 TO 101	39.1	4.3			8.7	13.0	4.3	26.1	4.3	23	.9
92 TO 96	23.6	8.5	3.0	2.0	12.6	9.0	11.6	15.6	9.0	199	8.0
87 TO 91	12.7	5.2	7.8	4.6	16.7	18.7	12.1	12.7	9.5	347	14.0
82 TO 86	11.7	4.7	6.5	6.5	18.4	19.4	15.4	9.2	8.4	407	16.3
77 TO 81	7.7	4.2	5.4	5.0	11.8	12.9	16.0	5.7	31.3	595	24.0
72 TO 76	10.7	6.8	9.7	7.3	4.6	4.7	9.2	5.9	41.1	811	32.7
67 TO 71	9.0	12.0	9.0	9.0	3.0	3.0	10.0	6.0	39.0	100	4.0
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-12 TO -8											
-16 TO -12											
-20 TO -16											
-24 TO -20											
-28 TO -24											
-32 TO -28											
-36 TO -32											
-40 TO -36											
-44 TO -40											
-48 TO -44											
-52 TO -48											
-56 TO -52											
-60 TO -56											
TOTALS	11.7	5.9	7.6	5.0	10.9	11.4	12.4	8.4	26.0	2473	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

03441

MILITARY FIELD, FL

JANUARY 1973-DECEMBER 1982

AUGUST

STATION

STATION NAME

YEAR

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	170.0									1	.0
92 TO 96	24.6	4.8	9.5	4.7	15.1	11.1	11.1	12.7	7.1	126	5.1
87 TO 91	13.0	10.4	11.3	7.8	22.0	9.0	8.4	10.7	7.2	345	13.9
82 TO 86	9.9	7.7	13.3	10.4	17.2	14.4	13.2	6.1	11.3	443	17.9
77 TO 81	8.6	7.4	12.1	7.2	9.4	10.5	10.7	4.5	29.6	487	19.6
72 TO 76	12.1	11.0	15.8	4.7	3.0	2.4	3.6	2.2	45.1	994	36.2
67 TO 71	18.4	17.2	10.9	3.4	2.9	.6	1.1	1.1	44.3	174	7.0
62 TO 66	33.3	16.7								6	.2
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	12.4	9.8	13.3	6.5	10.0	7.4	7.0	5.0	28.6	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

MITTUS FIELD, FL

JANUARY 1973-DECEMBER 1982 SEPTEMBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
112 TO 121											
102 TO 111											
92 TO 101											
82 TO 91	19.1	17.3	19.1	12.8	2.1	10.6	4.3	10.6	4.3	47	2.0
72 TO 81	17.9	8.7	11.8	11.8	19.2	10.9	9.2	7.0	3.5	229	9.5
62 TO 71	15.6	10.0	20.6	8.3	12.4	15.3	5.3	5.9	6.5	339	14.1
52 TO 61	14.8	10.8	16.9	9.3	12.4	8.0	8.0	3.2	16.7	474	19.8
42 TO 51	14.9	12.6	21.9	5.8	1.8	1.9	5.9	3.6	31.5	777	32.4
32 TO 41	22.8	21.9	23.5	2.2	2.2	.3	1.5	4.9	20.7	324	13.5
22 TO 31	43.8	23.4	9.4	1.6			1.6	6.3	14.1	128	5.3
12 TO 21	50.0	16.7	2.1				4.2	6.3	20.8	49	2.0
2 TO 11	50.0	9.1	4.5				4.5		31.8	22	.9
-8 TO 1	41.7	8.3						16.7	33.3	12	.5
-18 TO -11											
-28 TO -21											
-38 TO -31											
-48 TO -41											
-58 TO -51											
-68 TO -61											
-78 TO -71											
-88 TO -81											
-98 TO -91											
-108 TO -101											
-118 TO -111											
-128 TO -121											
-138 TO -131											
-148 TO -141											
-158 TO -151											
-168 TO -161											
-178 TO -171											
-188 TO -181											
-198 TO -191											
-208 TO -201											
-218 TO -211											
-228 TO -221											
-238 TO -231											
-248 TO -241											
-258 TO -251											
-268 TO -261											
-278 TO -271											
-288 TO -281											
-298 TO -291											
-308 TO -301											
-318 TO -311											
-328 TO -321											
-338 TO -331											
-348 TO -341											
-358 TO -351											
-368 TO -361											
-378 TO -371											
-388 TO -381											
-398 TO -391											
-408 TO -401											
-418 TO -411											
-428 TO -421											
-438 TO -431											
-448 TO -441											
-458 TO -451											
-468 TO -461											
-478 TO -471											
-488 TO -481											
-498 TO -491											
-508 TO -501											
-518 TO -511											
-528 TO -521											
-538 TO -531											
-548 TO -541											
-558 TO -551											
-568 TO -561											
-578 TO -571											
-588 TO -581											
-598 TO -591											
-608 TO -601											
-618 TO -611											
-628 TO -621											
-638 TO -631											
-648 TO -641											
-658 TO -651											
-668 TO -661											
-678 TO -671											
-688 TO -681											
-698 TO -691											
-708 TO -701											
-718 TO -711											
-728 TO -721											
-738 TO -731											
-748 TO -741											
-758 TO -751											
-768 TO -761											
-778 TO -771											
-788 TO -781											
-798 TO -791											
-808 TO -801											
-818 TO -811											
-828 TO -821											
-838 TO -831											
-848 TO -841											
-858 TO -851											
-868 TO -861											
-878 TO -871											
-888 TO -881											
-898 TO -891											
-908 TO -901											
-918 TO -911											
-928 TO -921											
-938 TO -931											
-948 TO -941											
-958 TO -951											
-968 TO -961											
-978 TO -971											
-988 TO -981											
-998 TO -991											
-1008 TO -1001											
TOTALS	19.1	13.5	18.6	6.6	7.0	5.7	5.6	4.7	19.3	2400	100.0

NAVWEASERVCOM

100-4332-54321

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

17-41

WHITING FIELD, FL

JANUARY 1973-DECEMBER 1982

OCTOBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	17.4	26.1	21.7	4.3	4.3		13.0	8.7	4.3	23	.9
82 TO 86	17.9	15.2	7.6	12.4	19.6	9.7	5.5	8.3	4.8	145	5.8
77 TO 81	16.2	13.1	12.7	12.7	21.2	11.2	3.5	3.8	5.8	267	10.5
72 TO 76	16.9	14.0	13.0	15.7	11.4	5.8	4.8	3.6	12.8	414	16.7
67 TO 71	19.1	14.4	19.4	10.0	3.4	3.0	7.1	5.9	17.8	439	17.7
62 TO 66	29.4	15.0	18.1	4.4	1.3	1.7	4.1	3.5	22.4	459	18.5
57 TO 61	37.3	19.0	13.1	.9	.3	.6	2.1	4.3	22.3	327	13.2
52 TO 56	48.8	17.2	8.4	1.0			1.5	4.9	18.2	203	8.2
47 TO 51	42.1	24.1	2.1	1.4				4.1	26.2	145	5.8
42 TO 46	56.1	14.0	1.8				1.8	3.5	22.8	57	2.3
37 TO 41	62.5								37.5	8	.3
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 K. LUP											
TOTALS	27.4	15.8	13.8	7.6	6.1	3.6	4.1	4.6	17.0	2480	100.0

NAVWEASERVCOM

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NOV 4432 54327

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

WHITING FIELD, FL

JANUARY 1973-DECEMBER 1982

NOVEMBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		22.2		11.1	33.3	22.2			11.1	9	.4
77 TO 81	9.5	11.9	3.3	7.1	48.8	4.8	2.4	6.0	1.2	64	3.5
72 TO 76	7.6	3.3	8.5	20.9	38.4	10.4	1.9	5.2	3.8	211	8.8
67 TO 71	8.3	8.0	16.0	19.3	16.8	8.0	6.4	8.3	8.8	374	15.6
62 TO 66	15.4	10.0	16.7	16.4	9.7	4.1	3.1	3.3	21.3	390	16.3
57 TO 61	26.3	10.1	17.3	9.0	3.0	3.8	2.7	4.9	22.7	365	15.2
52 TO 56	34.9	17.1	13.6	4.4	1.9	.3	1.9	4.7	21.2	316	13.2
47 TO 51	35.6	18.9	8.7	4.0	.4	.7	2.2	7.6	21.8	275	11.5
42 TO 46	48.3	12.2	4.7				1.7	7.6	25.6	172	7.2
37 TO 41	37.3	17.8	2.5	1.7			.8	7.6	32.2	118	4.9
32 TO 36	47.3	8.1		1.4			4.1	5.4	33.8	74	3.1
27 TO 31	50.0								50.0	8	.3
22 TO 26	100.0									4	.2
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
3 TO 1											
4 TO 4											
13 TO 9											
18 TO 14											
23 TO 19											
28 TO 24											
33 TO 29											
38 TO 34											
43 TO 39											
48 TO 44											
53 TO 49											
58 TO 54											
63 TO 59											
TOTALS	24.5	11.6	12.1	10.3	10.2	3.4	3.0	5.2	18.6	2400	100.0

NAVWEASERVCOM

4

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

## WIND DIRECTION

STATION

HITING FIELD, FL

JANUARY 1973-DECEMBER 1982

DECEMBER

## WIND DIRECTION

TEMP.	NNW & N	NNE S E	ENE & E	ESE SSE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
112 TO 121											
102 TO 111											
92 TO 101											
82 TO 91											
72 TO 81											
62 TO 71											
52 TO 61											
42 TO 51											
32 TO 41											
22 TO 31											
12 TO 21											
2 TO 11											
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0 TO 11											
-1 TO 11											
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-96 TO 11											
-97 TO 11											
-98 TO 11											
-99 TO 11											
-100 TO 11											
TOTALS	24.2	9.5	9.0	12.1	9.2	4.8	5.5	8.9	16.7	2478	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

HITING FIELD, FL

JANUARY 1973-DECEMBER 1982

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106								120.0		1	.0
97 TO 101	40.7	3.7			7.4	14.4	3.7	22.2	7.4	27	.1
92 TO 96	23.4	7.4	8.3	3.6	13.0	10.6	12.3	13.2	8.3	53	1.8
87 TO 91	13.9	7.6	9.2	6.2	19.8	15.5	10.8	9.6	7.3	142	4.9
82 TO 86	12.4	7.4	9.8	8.0	20.1	17.0	10.5	7.6	7.2	217	7.5
77 TO 81	10.0	7.1	8.6	7.3	19.7	14.2	10.2	4.7	16.1	319	10.9
72 TO 76	11.1	7.9	11.2	8.7	14.2	8.5	6.7	4.0	27.7	518	17.7
67 TO 71	12.6	8.6	10.3	10.3	17.6	10.2	7.4	5.5	17.6	375	12.8
62 TO 66	16.7	8.8	10.1	13.6	14.5	6.8	6.2	5.6	17.7	313	10.7
57 TO 61	22.0	9.6	10.8	10.9	8.5	4.3	5.8	7.5	20.5	246	8.5
52 TO 56	27.4	11.9	13.4	8.7	4.1	3.0	4.4	8.4	18.6	208	7.1
47 TO 51	29.3	14.8	9.9	6.7	1.4	1.8	4.8	8.8	22.6	170	5.8
42 TO 46	35.0	14.3	8.7	4.2	.8	.9	5.0	10.6	20.5	131	4.5
37 TO 41	36.8	16.2	7.4	2.6	.1	.4	3.6	10.2	22.7	97	3.3
32 TO 36	38.0	17.4	7.4	2.2		.6	2.6	8.4	23.4	71	2.5
27 TO 31	42.0	16.5	3.1	.8			1.4	10.9	25.2	35	1.2
22 TO 26	61.9	12.4	1.0				2.9	3.8	18.1	10	.4
17 TO 21	45.8	29.2	4.2					8.3	12.5	24	.1
12 TO 16	45.7								14.3	7	.0
7 TO 11											
2 TO 6											
1 TO 5											
18 TO 21											
15 TO 18											
12 TO 15											
9 TO 12											
6 TO 9											
3 TO 6											
0 TO 3											
TOTALS	12.6	7.7	10.0	8.4	12.3	8.1	7.0	6.8	19.1	2926	100.0

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NCOO, Federal Building  
Asheville, N. C.

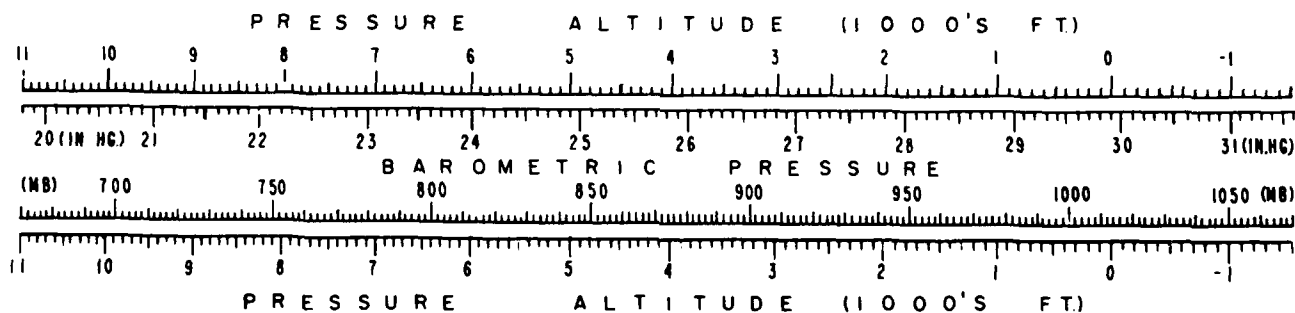
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

STATION 7341 WHITING FIELD, FL

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN	1020.1	1019.7	1016.9	1017.2	1014.5	1015.8	1016.4	1016.7	1015.4	1017.9	1019.5	1020.1	1017.5	
	S. D.	6.276	5.762	5.531	4.839	3.661	2.693	2.384	2.249	3.147	3.825	4.436	5.615	4.770	
	TOTAL OBS	309	282	310	300	310	300	302	310	300	310	300	310	3650	
07	MEAN	1019.9	1019.2	1016.2	1016.6	1014.0	1015.3	1015.8	1016.1	1014.9	1017.5	1019.1	1019.8	1017.0	
	S. D.	6.312	5.619	5.632	4.888	3.751	2.644	2.351	2.238	3.129	3.935	4.517	5.655	4.869	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
14	MEAN	1020.3	1019.9	1017.2	1017.7	1015.1	1016.3	1016.9	1017.2	1015.8	1018.5	1019.8	1020.2	1017.9	
	S. D.	6.371	5.875	5.585	5.049	3.807	2.702	2.420	2.320	3.363	4.025	4.654	5.838	4.849	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
21	MEAN	1021.8	1021.3	1018.4	1018.6	1015.8	1016.9	1017.7	1018.0	1016.7	1019.5	1021.0	1021.5	1018.9	
	S. D.	6.448	5.900	5.622	5.217	3.800	2.729	2.466	2.352	3.227	4.064	4.754	5.847	4.978	
	TOTAL OBS	309	282	310	300	310	299	310	310	300	310	300	310	3650	
28	MEAN	1020.5	1020.3	1017.6	1017.8	1015.1	1016.2	1017.0	1017.2	1015.8	1018.1	1019.5	1020.1	1017.9	
	S. D.	6.349	5.694	5.557	5.124	3.773	2.702	2.391	2.367	3.067	3.987	4.568	5.646	4.799	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
05	MEAN	1018.9	1018.3	1015.8	1016.2	1013.7	1014.9	1015.6	1015.7	1014.2	1016.6	1018.1	1018.7	1016.4	
	S. D.	6.233	5.583	5.477	5.009	3.682	2.689	2.459	2.365	3.021	3.799	4.390	5.428	4.679	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
12	MEAN	1019.6	1018.8	1016.0	1016.2	1013.6	1014.8	1015.6	1015.8	1014.5	1017.1	1018.8	1019.4	1016.7	
	S. D.	6.200	5.561	5.516	4.925	3.637	2.689	2.412	2.234	3.041	3.809	4.402	5.367	4.764	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
19	MEAN	1020.4	1019.8	1017.1	1017.3	1014.7	1016.0	1016.7	1017.1	1015.7	1018.3	1019.7	1020.2	1017.7	
	S. D.	6.346	5.657	5.417	4.892	3.648	2.620	2.393	2.234	3.103	3.805	4.530	5.412	4.735	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	1020.2	1019.7	1016.9	1017.2	1014.6	1015.8	1016.5	1016.7	1015.4	1017.9	1019.4	1020.0	1017.5	
	S. D.	6.356	5.788	5.596	5.048	3.787	2.769	2.509	2.413	3.224	3.990	4.700	5.651	4.863	
	TOTAL OBS	2476	2256	2480	2400	2480	2329	2479	2480	2400	2480	2400	2478	29208	

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# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

93841 WHITING FIELD, FL

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	29.930	29.918	29.837	29.849	29.770	29.809	29.828	29.836	29.797	29.866	29.914	29.931	29.857	
	S. D.	.184	.168	.164	.142	.108	.082	.072	.070	.093	.113	.131	.166	.140	
	TOTAL OBS	309	282	310	300	310	300	309	310	300	310	300	310	3650	
02	MEAN	29.922	29.903	29.816	29.829	29.754	29.793	29.810	29.819	29.781	29.857	29.902	29.922	29.842	
	S. D.	.186	.170	.166	.143	.111	.082	.071	.069	.092	.116	.133	.167	.142	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
03	MEAN	29.934	29.925	29.847	29.860	29.787	29.825	29.842	29.850	29.808	29.885	29.923	29.931	29.868	
	S. D.	.187	.172	.165	.149	.112	.083	.073	.072	.099	.119	.137	.172	.142	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
04	MEAN	29.940	29.965	29.882	29.890	29.810	29.843	29.866	29.875	29.835	29.916	29.959	29.973	29.899	
	S. D.	.189	.173	.166	.153	.113	.084	.074	.073	.095	.120	.141	.172	.146	
	TOTAL OBS	309	282	310	300	310	299	310	310	300	310	300	310	3650	
1	MEAN	29.942	29.937	29.861	29.867	29.787	29.823	29.846	29.853	29.807	29.877	29.917	29.933	29.871	
	S. D.	.187	.166	.164	.151	.112	.083	.071	.073	.101	.118	.135	.168	.142	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
1	MEAN	29.897	29.879	29.808	29.820	29.746	29.783	29.804	29.808	29.763	29.832	29.874	29.892	29.825	
	S. D.	.184	.164	.163	.148	.110	.083	.073	.072	.089	.113	.130	.161	.138	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
1	MEAN	29.917	29.892	29.811	29.820	29.742	29.780	29.803	29.809	29.771	29.847	29.893	29.911	29.833	
	S. D.	.183	.163	.163	.145	.108	.083	.072	.070	.090	.112	.132	.159	.140	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
01	MEAN	29.940	29.920	29.842	29.851	29.776	29.814	29.835	29.846	29.807	29.880	29.919	29.935	29.863	
	S. D.	.157	.166	.160	.144	.106	.081	.072	.069	.091	.112	.134	.160	.139	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	29.933	29.917	29.838	29.848	29.771	29.809	29.829	29.837	29.796	29.870	29.912	29.929	29.857	
	S. D.	.147	.169	.165	.149	.112	.085	.075	.074	.096	.118	.136	.167	.143	
	TOTAL OBS	2476	2256	2480	2400	2480	2399	2479	2480	2400	2480	2400	2478	29208	

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